Access DB# 95355

SEARCH REQUEST FORM

(186)

Scientific and Technical Information Center

Requester's Full Name: GWEN LIANG Examiner #: 79180 Date: 5-29-03
Art Unit: 2172 Phone Number 305-3985 Serial Number: 09/626,965
Mail Box and Bldg/Room Location: CPK II 4B35 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Component Management System

Inventors (please provide full names): OHASHI, Tadshi

Earliest Priority Filing Date: 09/27/99

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

Concept: See Attachment A (1-4)

T . . . = See Attachment A (1)

motivation: See Attachment A (5-7)

Drawings = Attachment B

Claims: 1, 3, 12 (Attachment C)

*Assignee: FUJITSU Limited

05-30-03 A09:28 IN

STAFF USE ONLY	Type of Search	Vendors and cost where applicable
Searcher: Geoffrey St.Leger	NA Sequence (#)	STN
Searcher Phone #: 308-7800	AA Sequence (#)	Dialog ✓
Searcher Location: 4B30	Structure (#)	Questel/Orbit
Date Searcher Picked Up: 6/2/3	Bibliographic ✓	Dr.Link
Date Completed: 6/4/3	Litigation	Lexis/Nexis
Searcher Prep & Review Time: 110 min	Fulltext ✓	Sequence Systems
Clerical Prep Time:	Patent Family	WWW/Internet ✓
Online Time: 280 min	Other	Other (specify) ACM

PTO-1590 (8-01)

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File 347:JAPIO Oct 1976-2003/Jan(Updated 030506)
         (c) 2003 JPO & JAPIO
File 350:Derwent WPIX 1963-2003/UD,UM &UP=200334
         (c) 2003  Thomson Derwent
? ds

Set     Items   Description
S1     661529   COMPUTER OR PC OR WORKSTATION OR WORK()STATION OR COMPUTIN-
             G()(DEVICE OR SYSTEM)
S2       6750   (DESIGN? OR DEVELOP? OR CREAT? OR PRODUCTION? ? OR PRODUCI-
             NG OR PRODUCE OR BUILD? OR CONSTRUCT? OR ASSEMBL? OR FABRICAT?
              OR MANUFACTURE OR CONFIGUR?)(2W)S1
S3       4252   FIRMWARE OR FIRM()WARE OR EMBEDDED()(CHIP? ? OR MICROCHIP?
             ? OR PART? ? OR ELEMENT? ? OR MODULE? ? OR HARDWARE OR SOFTWA-
             RE OR SYSTEM? ? OR PROCESSOR? ? OR MICROPROCESSOR? ?)
S4    1337755   BIOS OR CMOS OR CHIP? ? OR CHIPSET? ? OR MICROCHIP? ? OR R-
             OM? ? OR PROM? ? OR EPROM? ? OR EEPROM? ? OR SEMICONDUCT??? OR
              SEMI(W)CONDUCT??? OR IC OR ASIC
S5     139147   DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR LIBRAR??? -
             OR KNOWLEDGE(1W)BASE OR INVENTORY
S6       2311   S5(5N)(COMPONENTS OR SUBCOMPONENTS OR PARTS OR PIECES OR M-
             ODULES OR ASSEMBLIES OR SUBASSEMBLIES)
S7       3515   S2 AND IC=G06F
S8        263   S7 AND S3:S4
S9         26   S7 AND S6
S10       833   S5(5N)S3:S4
S11         6   S7 AND S10
S12      3067   (PC OR COMPUTER)(3N)(PARTS OR COMPONENTS)
S13        19   S5(5N)S12 AND IC=G06F
S14        17   S13 NOT (S9 OR S11)
S15        37   S8 AND S5
S16        30   S15 NOT (S9 OR S11 OR S14)
S17       129   S2(5N)S5
S18       102   S17 AND IC=G06F
S19        93   S18 NOT (S9 OR S11 OR S14 OR S16)
S20        63   S19 AND IC=G06F-017
S21        30   S19 NOT S20
S22        34   S8 AND (PARTS OR COMPONENTS)
S23        28   S22 NOT (S9 OR S11 OR S14 OR S16 OR S19)
S24    714223   MANUFACTURER? ? OR DEVELOPER? ? OR ENGINEER?
S25        13   S8 AND S24
S26        18   S8 AND (HIERARCH? OR TREE)
?
```

9/5/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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07231135 **Image available**
METHOD AND SYSTEM FOR CIRCUIT **DESIGN** SUPPORT AND **COMPUTER** -READABLE RECORDING MEDIUM WITH PROGRAM RECORDED THEREON

PUB. NO.: 2002-099583 [JP 2002099583 A]
PUBLISHED: April 05, 2002 (20020405)
INVENTOR(s): USAMI YUTAKA
APPLICANT(s): TOSHIBA TEC CORP
APPL. NO.: 2001-202453 [JP 20011202453]
FILED: July 03, 2001 (20010703)
PRIORITY: 2000-219250 [JP 2000219250], JP (Japan), July 19, 2000 (20000719)
INTL CLASS: **G06F-017/50** ; **G06F-003/00**

ABSTRACT

PROBLEM TO BE SOLVED: To provide a system that enables a circuit design conforming to the specification of client, and a fast circuit design, for the client to be performed.

SOLUTION: The server system 12 registers circuit **modules** at a **library** 23 and sends a display information that can select the circuit module from the library, a display information that can specify parameters of the circuit module, and also a display information that can input circuit specifications to the client terminal 13 via a network 11 when the server system is accessed by the client terminal. The server system, then, obtains the selection information for circuit module, specified parameter data, and circuit specification data from the client terminal, simulates the characteristics of the circuits on the basis of the obtained information, judges whether the specifications are satisfied or not, and at the same time, stores the results of the judgment in a storage, and sends the judgment results stored in the storage to the client terminal.

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9/5/3 (Item 3 from file: 347)
DIALOG(R)File 347:JAPIO
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07069440 **Image available**
INFORMATION RETRIEVAL-DISTRIBUTION SYSTEM, COMPUTER READABLE STORAGE MEDIUM AND INFORMATION RETRIEVAL- DISTRIBUTION PROGRAM

PUB. NO.: 2001-297085 [JP 2001297085 A]
PUBLISHED: October 26, 2001 (20011026)
INVENTOR(s): MATSUZAKI YOSHIAKI
KAMISAKA HIROYUKI
APPLICANT(s): FUJITSU LTD
APPL. NO.: 2001-032761 [JP 20011032761]
FILED: February 08, 2001 (20010208)
PRIORITY: 2000-030961 [JP 200030961], JP (Japan), February 08, 2000 (20000208)
INTL CLASS: **G06F-017/30** ; **G06F-013/00**

ABSTRACT

PROBLEM TO BE SOLVED: To retrieve and collect information and to effectively use the desired data even when a user does not know the

location of a data base in an information retrieval-distribution system which is **configured** on a **computer** and retrieves the information which are scattered on a network.
SOLUTION: This system includes an information retrieval request part and plural **data base** management **parts** which manages each **data base** . Every data base management part has the management information on its own data base and also on the **data bases** of other **data base** management **parts** which can be connected to each other on a network. Then a certain data base management part retrieves the information on its own data base when a retrieval condition is inputted, inquires of other **data base** management **parts** having **data bases** storing each relative information, requests retrieval of the **data bases** of other **data base** management **parts** and distributes the information accordant with the retrieval condition.

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9/5/5 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
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05401750 **Image available**
METHOD AND DEVICE FOR SUPPORTING ASSEMBLING PROCESS DESIGN

PUB. NO.: 09-016550 [JP 9016550 A]
PUBLISHED: January 17, 1997 (19970117)
INVENTOR(s): KIRINO KEIKO
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 07-163296 [JP 95163296]
FILED: June 29, 1995 (19950629)
INTL CLASS:. [6] **G06F-017/00** ; **G06F-017/50**
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications)
JAPIO KEYWORD:R060 (MACHINERY -- Automatic Design)

ABSTRACT
PURPOSE: To utilize assembling information data and assembling process data for a manufacturing preparation by combining data, to present an assembling work instruc tion to an assembling worker and to use assembling process bottle neck item data contents when the examination and the design request are performed for a designer.
CONSTITUTION: This device is composed of a three-dimensional CAD system 13, an assembling information data preparation part 14, a **design** supporting **computer** 10, an assembling process data preparation part 23, a manual aid assembling work process execution part 25, an automatic assembling work process execution part 26, an assembling process edition part 24, an assembling process **design** supporting **computer** 20, a video display equipment 35, a video display equipment control part 32, location/ attitude detectors 36a, to 36c, location/attitude detector control part 33, manual operation detectors 37a and 37b, a manual operation detector control part 34, a virtual space processing computer 30 having a virtual space processing data control part 31 controlling each of these control **parts** , a three-dimensional CAD **data base** 40, an assembling information data base 41, a manufacturing information data base 42, an assembling process bottle neck item data base 43 and an assembling process data base 44.

9/5/7 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

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015162936 **Image available**
WPI Acc No: 2003-223464/200322
XRPX Acc No: N03-178135
Configuration **manager for** computer **system, analyzes** components **selected from** database **to determine whether additional** components **are required for image formation**
Patent Assignee: SONY SERVICE CENT EURO NV (SONY)
Inventor: COOL T; DE VROEDE K; WEYTJENS J
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
GB 2377045	A	20021231	GB 200115891	A	20010628	200322	B

Priority Applications (No Type Date): GB 200115891 A 20010628
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2377045	A		22	G06F-009/445	

Abstract (Basic): GB 2377045 A
NOVELTY - A selector selects the **components** from a **database** to form an image. An analyzer analyzes the selected components to determine whether additional components are required for the image formation.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:
(1) Image forming system;
(2) Image forming method; and
(3) Computer readable medium storing image forming program.
USE - For computer system.
ADVANTAGE - Allows the developer to easily define,configure and manage objects in the images efficiently.
DESCRIPTION OF DRAWING(S) - The figure shows an illustrative view of the configuration manager display.
pp; 22 DwgNo 1/8
Title Terms: CONFIGURATION; MANAGE; COMPUTER; SYSTEM; ANALYSE; COMPONENT; SELECT; DATABASE; DETERMINE; ADD; COMPONENT; REQUIRE; IMAGE; FORMATION
Derwent Class: T01
International Patent Class (Main): **G06F-009/445**
International Patent Class (Additional): **G06F-009/44**
File Segment: EPI

9/5/8 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2003 Thomson Derwent. All rts. reserv.

015029147 **Image available**
WPI Acc No: 2003-089664/200308
XRPX Acc No: N03-070696
Computer system configuration method involves accessing stored database **comprising operating system** components **indexed by specific hardware elements, such that machine class is created for set of client machines**
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: BREW G E; FRENCH S M; JENNERY A P; PAUL C J; SCHOECH J R
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6466972	B1	20021015	US 99282632	A	19990331	200308	B

Priority Applications (No Type Date): US 99282632 A 19990331
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 6466972 B1 29 G06F-017/30

Abstract (Basic): US 6466972 B1
NOVELTY - A **database** comprising operating system **components** , is created and stored in a server. The operating system components are indexed by specific hardware elements. The database stored in the server is accessed such that a machine class is created for a set of client machines which have at least one common hardware element.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:
(1) Data processing system; and
(2) Computer program product for remotely **configuring computer** system.
USE - For configuring operating systems for server managed computer system.
ADVANTAGE - The typographical errors are completely eliminated and requires less time for selection process. The user can visually see all possible options rather than having to rely on the memory. Enables user to try several machine configuration in an attempt to successfully boot the client machine.
DESCRIPTION OF DRAWING(S) - The figure shows the generalized view illustrating the process of **configuring** the **computer** system.
pp; 29 DwgNo 8/21
Title Terms: COMPUTER; SYSTEM; CONFIGURATION; METHOD; ACCESS; STORAGE; DATABASE; COMPRISE; OPERATE; SYSTEM; COMPONENT; INDEX; SPECIFIC; HARDWARE ; ELEMENT; MACHINE; CLASS; SET; CLIENT; MACHINE
Derwent Class: T01
International Patent Class (Main): **G06F-017/30**
File Segment: EPI

9/5/10 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014769443
WPI Acc No: 2002-590147/200263
Related WPI Acc No: 2003-166233
XRPX Acc No: N02-468374
Searchable form legacy data provision method for large manufacturing companies, involves providing category identifier for unique portions that corresponds one machine sub-assembly
Patent Assignee: BARNARD D E (BARN-I); KILLIAN C M (KILL-I)
Inventor: BARNARD D E; KILLIAN C M
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 20020082959 A1 20020627 US 2000750485 A 20001227 200263 B

Priority Applications (No Type Date): US 2000750485 A 20001227
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 20020082959 A1 12 G06F-017/60

Abstract (Basic): US 20020082959 A1
NOVELTY - The number of unique portions in set of legacy machine parts information, is identified by a respective part identifier and an

entry is **created** in **computer** searchable **database** corresponding to identified **parts** . The category identifier is provided in the **database** , for each identified unique **parts** that corresponds to one machine sub-assembly.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Legacy data access facilitating method;

(2) Machine parts information accessing method; and

(3) Computer readable media storing machine parts information access facilitating program.

USE - Used for providing searchable form legacy data for tracking information of replacement of parts in machines in large manufacturing companies which manufactures thousands of different machines with several individual parts through computer networks such as Internet.

ADVANTAGE - The parts selection process ensures that the user selects only parts in predefined packages. Thus permits the company to prepackage parts, which can later be easily and quickly shipped upon request.

pp; 12 DwgNo 0/5

Title Terms: SEARCH; FORM; DATA; PROVISION; METHOD; MANUFACTURE; COMPANY; CATEGORY; IDENTIFY; UNIQUE; PORTION; CORRESPOND; ONE; MACHINE; SUB; ASSEMBLE

Derwent Class: T01

International Patent Class (Main): **G06F-017/60**

File Segment: EPI

9/5/23 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008509932 **Image available**

WPI Acc No: 1991-014016/199102

XRPX Acc No: N91-010711

Design **component selection** computer **e.g. for decorating products - uses video archive system with optical videodisk image** database **allowing selection of** components **with specified colour, price, etc.**

Patent Assignee: SEARCH & SOURCE INC (SEAR-N)

Inventor: SHERMAN R E

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 4931929	A	19900605	US 8785338	A	19870814	199102	B

Priority Applications (No Type Date): US 85693721 A 19850122; US 84599703 A 19840412; US 8785338 A 19870814

Abstract (Basic): US 4931929 A

An image database is provided, in the form of an addressable optical videodisk, each frame of which portrays an individual design component, and the images are displayed by operation of a computer-controlled archive system such as a random -access optical videodisk player. A characteristics database is provided to identify each portrayed design component by a variety of product categories including at least colour, price, manufacturer and image database address.

The process obtains one or more desired component characteristics, examines the characteristics **database** to identify design **components** meeting the desired product characteristics, and displays the identified component images together with a complete record of

characteristics for each product. The desired colour characteristic can be obtained by selection from a test dictionary of colour identification terms, by machine inspection of a machine-readable colour comparison sample, or by optical spectrum analysis of a pre-existing product sample.

USE - Identification, description and display of design components, such as interior decoration products, selected by describing desired component characteristics to digital computer.

(222pp Dwg. No.3/3

Title Terms: DESIGN; COMPONENT; SELECT; COMPUTER; DECORATE; PRODUCT; VIDEO; ARCHIVE; SYSTEM; OPTICAL; IMAGE; DATABASE; ALLOW; SELECT; COMPONENT; SPECIFIED; COLOUR; PRICE

Derwent Class: T01; W04; X27

International Patent Class (Additional): G01J-003/46; **G06F-015/21**

File Segment: EPI

9/5/25 (Item 20 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007866991

WPI Acc No: 1989-132103/198918

XRPX Acc No: N89-100605

Concept design tool for computer based project management - has series of pop-up menus guiding user through manufacturing and planning for part

Patent Assignee: HOESCH AG (HOES); IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)

Inventor: FERRITER K A; WITT P R; FERRITER K M

Number of Countries: 006 Number of Patents: 005

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 314594	A	19890503	EP 88480026	A	19880913	198918	B
BR 8805598	A	19890711				198933	
US 5109337	A	19920428	US 87113694	A	19871028	199220	
EP 314594	B1	19960313	EP 88480026	A	19880913	199615	
DE 3855094	G	19960418	DE 3855094	A	19880913	199621	
			EP 88480026	A	19880913		

Priority Applications (No Type Date): US 87113694 A 19871028

Cited Patents: 4.Jnl.Ref; A3...9103; No-SR.Pub

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 314594	A	E	15		
Designated States (Regional): DE FR GB IT					
US 5109337	A		13		
EP 314594	B1	E	15	G06F-017/60	
Designated States (Regional): DE FR GB IT					
DE 3855094	G			G06F-017/60	Based on patent EP 314594

Abstract (Basic): EP 314594 A

The conceptual design tool uses a sketch sheet approach on a computer display to enter the functional design of a product, to encourage the designer to use a top down approach to the design process. The user keys in part descriptions, and the system automatically draws a hierarchical tree structure on the computer display. The user is then prompted to consider, part by part, all of the parts in the product. A series of pop-up menus guide the user through manufacturing and planning for the part.

Based on the data input by the user, the system then generates a

qualified parts list and computes an estimated cost figure for the product using manufacturing information gathered by the conceptual design tool during product release planning.

1/8

Title Terms: CONCEPT; DESIGN; TOOL; COMPUTER; BASED; PROJECT; MANAGEMENT; SERIES; POP; UP; MENU; GUIDE; USER; THROUGH; MANUFACTURE; PLAN; PART

Derwent Class: T01

International Patent Class (Main): **G06F-017/60**

International Patent Class (Additional): **G06F-015/21** ; **G06F-015/60**

File Segment: EPI

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14/5/7 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013394296 **Image available**
WPI Acc No: 2000-566234/200053
XRPX Acc No: N00-418185

Computer system has management function that populates database cells with property identifiers and property values associated with property identifiers in associated cell groups

Patent Assignee: BB-DATA GES INFORMATIONS & KOMMUNIKATION (BBDA-N)
Inventor: HERRMANN D; MEY T
Number of Countries: 087 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 19907875	A1	20000824	DE 1007875	A	19990223	200053	B
WO 200051020	A2	20000831	WO 2000EP1415	A	20000222	200053	
AU 200028064	A	20000914	AU 200028064	A	20000222	200063	
EP 1256071	A2	20021113	EP 2000906365	A	20000222	200282	
			WO 2000EP1415	A	20000222		

Priority Applications (No Type Date): DE 1007875 A 19990223
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 19907875	A1		11	G06F-017/30	
WO 200051020	A2	G		G06F-017/30	

Designated States (National): AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200028064	A		G06F-017/30	Based on patent WO 200051020
EP 1256071	A2	G	G06F-017/30	Based on patent WO 200051020

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Abstract (Basic): DE 19907875 A1

NOVELTY - The computer system has a central **database** (12) for managing the **computer** system, local system **components** (14,16,18) with properties with associated property values and identifiers, agents (46,52,62) for transmitting at least one pair of values to the central database containing. a property value and identifier. The database has a first group of cells occupied by property values. A second group of database cells can be occupied by property identifiers and positively associated with one of the first cell group. A management function (42) can populate the second cell group with property identifiers and populates one of the first cell group with the property value associated with the property identifier in its associated second group cell.

USE - Computer system with central database for managing the computer system.

ADVANTAGE - The computer system is designed to be simpler to manage.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic representation of a **computer** system with local **components** and a central **database**

central database (12)
local system components (14,16,18)
agents (46,52,62)
management function (42)

pp; 11 DwgNo 1/4
Title Terms: COMPUTER; SYSTEM; MANAGEMENT; FUNCTION; DATABASE; CELL; PROPERTIES; IDENTIFY; PROPERTIES; VALUE; ASSOCIATE; PROPERTIES; IDENTIFY; ASSOCIATE; CELL; GROUP
Derwent Class: T01
International Patent Class (Main): **G06F-017/30**
File Segment: EPI

14/5/9 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013147164
WPI Acc No: 2000-319036/200028
XRPX Acc No: N00-239340
Simplification method for technical planning, costing, development and construction of large collaborative projects and industrial systems, involving central database with monitored computer network access
Patent Assignee: HOCHSTATTER H (HOCH-I)
Inventor: HOCHSTATTER H
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
DE 19844362	A1	20000330	DE 1044362	A	19980928	200028	B

Priority Applications (No Type Date): DE 1044362 A 19980928
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 19844362	A1		2	G06F-017/60	

Abstract (Basic): DE 19844362 A1
NOVELTY - The method involves using a central **database** with monitored **computer** network access containing **parts** , components, and equipment modules corresponding to a defined fixed descriptive structure. Access is monitored and controlled, using access codes that can be stored on personal access media or hard-wired.
DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for a device for executing the method.
USE - For planning, costing, development and construction of large collaborative projects and industrial systems.
ADVANTAGE - Enables global equipment and system design to be performed with plausibility checking and personal code security.
DESCRIPTION OF DRAWING(S) - No drawings are supplied.
pp; 2 DwgNo 0/0
Title Terms: SIMPLIFY; METHOD; TECHNICAL; PLAN; COST; DEVELOP; CONSTRUCTION ; PROJECT; INDUSTRIAL; SYSTEM; CENTRAL; DATABASE; MONITOR; COMPUTER; NETWORK; ACCESS
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

14/5/10 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013084239 **Image available**
WPI Acc No: 2000-256111/200022
Related WPI Acc No: 2001-353496

XRPX Acc No: N00-190423

Graphical user interface for computer network management, has display unit that displays topological map of computer network based on received information indicating components selected by user

Patent Assignee: CISCO TECHNOLOGY INC (CISC-N)
Inventor: JAIN S; WILLIAMS R
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6040834	A	20000321	US 96775289	A	19961231	200022	B

Priority Applications (No Type Date): US 96775289 A 19961231
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6040834	A		14	G06F-003/14	

Abstract (Basic): US 6040834 A

NOVELTY - **Repository** stores information pertaining to **components** which form **computer** network. Based on information received about user selected component, topological map of network of only those components and logical connection between selected components that use selected protocol and marker is displayed. If there is logical connection of selected components to other components, that connection is not displayed.

DETAILED DESCRIPTION - The display includes indicator which is displayed, when there are logical connection of selected components to other components of network that are displayed in topological map. The indicator includes numerical value to indicate number of non-displayed components to which selected component is logically connected. An INDEPENDENT CLAIM is also included for display method of map of limited portion of topology of computer network.

USE - For managing computer networks such as local area network, wide area network such as Internet, enterprise wide networks.

ADVANTAGE - The network manager can continue to request the display of specific connections, until the component which is the source of the problem is itself displayed and identified and once the problem has been corrected, the manager can collapse the view to originally selected components. If all of the connections are properly operating, the key routers can be displayed with one color and if connection to key router goes down, the color of its display is changed to provide immediate indication to network manager. Offers network manager with flexibility to view only those components of the network, which are of current interest and to dynamically control the illustrated information to navigate along any desired route.

DESCRIPTION OF DRAWING(S) - The figure shows the topology map in which user menu is displayed.

pp; 14 DwgNo 8/9

Title Terms: GRAPHICAL; USER; INTERFACE; COMPUTER; NETWORK; MANAGEMENT; DISPLAY; UNIT; DISPLAY; TOPOLOGICAL; MAP; COMPUTER; NETWORK; BASED; RECEIVE; INFORMATION; INDICATE; COMPONENT; SELECT; USER
Derwent Class: T01
International Patent Class (Main): **G06F-003/14**
International Patent Class (Additional): **G06F-015/177**
File Segment: EPI

14/5/16 (Item 13 from file: 350)

DIALOG(R)File 350:Derwent WPIX
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008929837 **Image available**

WPI Acc No: 1992-057106/199208
XRPX Acc No: N92-043531
Design system for complex mechanical assemblies - uses computer database **of** components **allowing user to specify dimensions and relationships with computer checking of assembly**
Patent Assignee: TECNOCAD LIMITED (TECN-N); TECNOCAD LTD (TECN-N)
Inventor: CARROLL K; NEARY P
Number of Countries: 002 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
BE 1003144	A	19911210	BE 91531	A	19910603	199208	B
GB 2255661	A	19921111	GB 9110076	A	19910509	199246	N

Priority Applications (No Type Date): BE 91531 A 19910603; GB 9110076 A 19910509
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
GB 2255661	A		23	G06F-015/60	

Abstract (Basic): BE 1003144 A

The system for designing complex assemblies of more basic components uses a database of the principal components with information on their main parameters and dimensions, characteristics, interconnection to other components and rules for choosing each element. The system has a user interface and mass storage linked by a design controller to the database. The user is prompted for appropriate information, parameters, identification codes and the system validates such input and checks that selected components fit together.

The system can be linked to machine control programs in order to manufacture the assembly thus designed.

ADVANTAGE - Design of complex structures assembled from simpler components, improved speed of design and automatic verification of correct assembly. (16pp Dwg.No.2/5)

Title Terms: DESIGN; SYSTEM; COMPLEX; MECHANICAL; ASSEMBLE; COMPUTER; DATABASE; COMPONENT; ALLOW; USER; SPECIFIED; DIMENSION; RELATED; COMPUTER ; CHECK; ASSEMBLE
Derwent Class: T01
International Patent Class (Main): **G06F-015/60**
File Segment: EPI
?

23/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

04685343 **Image available**
CONFIGURING METHOD FOR **COMPUTER** SYSTEM

PUB. NO.: 07-005943 [JP 7005943 A]
PUBLISHED: January 10, 1995 (19950110)
INVENTOR(s): KAMIYA HIROYUKI
APPLICANT(s): MEIDENSHA CORP [000610] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 05-304485 [JP 93304485]
FILED: December 06, 1993 (19931206)
INTL CLASS: [6] **G06F-001/00** ; **G06F-003/00** ; **G06F-015/16**
JAPIO CLASS: 45.9 (INFORMATION PROCESSING -- Other); 45.3 (INFORMATION PROCESSING -- Input Output Units); 45.4 (INFORMATION PROCESSING -- Computer Applications)

ABSTRACT

PURPOSE: To give flexibility to the **configuring** of a **computer** system and to easily **configure** the **computer** system.

CONSTITUTION: A computer system is configured by making the computer system every functional component, and obtaining the coupling of the **components** 1-6, and 14 by using a communication function. Each component is made to be a box-constitution with standardized size, and the **components** are connected mechanically and electrically to each other. Also, a power from a common power supply unit 8 can be received by each component. Also, an external memory device driver out of the **components** is made common by connecting the plural drivers by a multi-handling driver 7 which controls plural external memory devices. Also, application software is made to be an **IC** card, and registration/deletion on the system can be performed only by loading/unloading it on an **IC** card housing box 14.

23/5/5 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
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02883556 **Image available**
PARTS CONTROL SYSTEM

PUB. NO.: 01-181156 [JP 1181156 A]
PUBLISHED: July 19, 1989 (19890719)
INVENTOR(s): ISHIKAWA HIROKO
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 63-005780 [JP 885780]
FILED: January 13, 1988 (19880113)
INTL CLASS: [4] **G06F-015/21** ; B23Q-041/00; G05B-015/02; **G06F-015/21**
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 22.3 (MACHINERY -- Control & Regulation); 25.2 (MACHINE TOOLS -- Cutting & Grinding)
JOURNAL: Section: P, Section No. 947, Vol. 13, No. 464, Pg. 88, October 20, 1989 (19891020)

ABSTRACT

PURPOSE: To count the number of **parts** in real time for each process without adding a terminal of a **production** control **computer** to a

production line by controlling the number of **parts** for each process by means of an **IC** card.

CONSTITUTION: When an instruction is displayed for shipment of **parts** via a **production** control **computer** 2, the **parts** are taken out of a **parts** collecting shelf 1 and at the same time the types and the quantity data of the **parts** used in the relevant process are written into an **IC** card. A **parts** tray and the **IC** card are carried to each designated process by a **parts** carrier 6 and the information on the manufacturing way and the stock quantity of **parts** are read out of the **IC** card by an **IC** card input/output devices 7-10 which are set close to each work process. When the work is through, an unfinished product is sent to its next process and the data on the necessary quantity are written into the **IC** card via the devices 7-10 for each type of **parts** . Then the **IC** card is sent to the computer 2 via a terminal 3 and then sent again to the next process together with the unused **parts** .

23/5/6 (Item 6 from file: 347)

DIALOG(R)File 347:JAPIO
(c) 2003 JPO & JAPIO. All rts. reserv.

02709665 **Image available**

DESIGNING DEVICE FOR **COMPUTER** SUPPORTING

PUB. NO.: 01-007265 [JP 1007265 A]
PUBLISHED: January 11, 1989 (19890111)
INVENTOR(s): MATSUMOTO HIROSHI
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 62-163551 [JP 87163551]
FILED: June 30, 1987 (19870630)
INTL CLASS: [4] **G06F-015/60** ; G03F-001/00
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer Applications); 29.1 (PRECISION INSTRUMENTS -- Photography & Cinematography); 42.1 (ELECTRONICS -- Electronic **Components**)
JOURNAL: Section: P, Section No. 862, Vol. 13, No. 172, Pg. 149, April 24, 1989 (19890424)

ABSTRACT

PURPOSE: To prepare the pattern data of the pattern of a duplicate part in a short time by providing a data file to store the pattern data and a memory to equip a pattern preparing means.

CONSTITUTION: A designing device for a computer supporting used for the pattern design of a printed board is provided with a processor 1, a **ROM** -1A, a tablet 2 to input information, a display 3 to display the prepared pattern, and besides an output storing file 7, a data file 60 and a memory 40. To the data file 60, an X axis lattice equal to the lattice dimension of printed board, a Y axis lattice and a circle formed cell to respectively circumscribe whose centers are respective intersection points of the lattices are inputted and stored in advance. To the memory 40, when the two points of the starting edge and a terminating edge of a straight line pattern are inputted, in a cell on the straight line to connect the starting edge and the terminating edge, a program is stored not to draw a line segment to the cell where the line segment is already drawn and to draw the line segment to the remaining cell. Thus, the duplicate part of the line segment is easily made one line and a pattern preparing time can be shortened.

23/5/8 (Item 8 from file: 347)
DIALOG(R)File 347:JAPIO
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00515493 **Image available**
INTEGRATED CIRCUIT FOR **DEVELOPMENT** OF **COMPUTER**

PUB. NO.: 55-003093 [JP 55003093 A]
PUBLISHED: January 10, 1980 (19800110)
INVENTOR(s): TAKAI AKIRA
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 53-076842 [JP 7876842]
FILED: June 23, 1978 (19780623)
INTL CLASS: [3] **G06F-009/44**
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units); 42.2 (ELECTRONICS -- Solid State **Components**)
JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessers)
JOURNAL: Section: P, Section No. 2, Vol. 04, No. 31, Pg. 29, March 18, 1980 (19800318)

ABSTRACT

PURPOSE: To insure the normal operation when the program is executed with only the order function featuring the lower-rank function by providing the selection circuit to select the orders according to each function in addition to part of each function in case each function of the microcomputer or the multiple **chip** is formed.

CONSTITUTION: Instruction decoder ID includes decoder blocks DA, DB, DC and DD each, and test terminal T to test the ever- **chip** plus signal line IP to be used as the signal line which supplies input to the prescribed register, buffer and others within the ever- **chip** through input boats IA, IB and **IC** each. Then input terminals of AND gates GA, GB and GC are connected to those input boats; and terminal T is connected to the other terminal respectively. Furthermore, the output of gate GA is connected to FF FA, the output of gates GB and GC are connected to FF FB and FC via OR gates OB and OC, and system reset signal R is connected to FF FA- FC each.

23/5/21 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013097740 **Image available**
WPI Acc No: 2000-269612/200023
Related WPI Acc No: 1999-429073
XRPX Acc No: N00-201786
Accommodation of different components **for computer improvement**
Patent Assignee: COMPAQ COMPUTER CORP (COPQ)
Inventor: GEBARA G R; JANSEN K A
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6035407	A	20000307	US 95514565	A	19950814	200023	B
			US 95514758	A	19950814		
			US 95515030	A	19950814		
			US 95515108	A	19950814		
			US 96680487	A	19960715		

Priority Applications (No Type Date): US 96680487 A 19960715; US 95514565 A 19950814; US 95514758 A 19950814; US 95515030 A 19950814; US 95515108 A 19950814

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6035407	A		18	G06F-001/00	CIP of application US 95514565 CIP of application US 95514758 CIP of application US 95515030 CIP of application US 95515108

Abstract (Basic): US 6035407 A

NOVELTY - A control circuit is provided in a computer to **configure** the **computer** using the information from an **IC** package. The **IC** package includes a circuitry whose operational characteristic is not established until after the **IC** is packaged. A data storage unit, configured after the **IC** is packaged, is packaged to provide information based on the established operational characteristic.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) a computer-implemented **configuration** of a **computer** system;

(b) the computer system;

(c) the processor;

(d) and the **IC** package.

USE - For processor improvement.

ADVANTAGE - Reduces need for multiple hardware **designs** . Ensures that **computer** manufacturer can use a single bill-of-materials to build motherboards compatible with several different processors. Ensures that computer user can make on-the-fly processor upgrades without having to replace existing computer hardware. Ensures simpler processor changes, in which on-the-fly changes are performed even while computer is powered-up and operating. Minimizes system board changes because a single board design can accommodate a variety of processors. Uses switches that eliminate need for multiple circuit boards to accommodate different processors.

DESCRIPTION OF DRAWING(S) - The figure shows a flow diagram for generating voltage override information.

pp; 18 DwgNo 15/20

Title Terms: ACCOMMODATE; COMPONENT; COMPUTER; IMPROVE

Derwent Class: T01

International Patent Class (Main): **G06F-001/00**

File Segment: EPI

23/5/23 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012672077 **Image available**

WPI Acc No: 1999-478184/199940

XRPX Acc No: N99-355947

System device configuration setting apparatus for computer system

Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)

Inventor: BERGLUND N C; ROSEDAHL T J

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5935252	A	19990810	US 97912402	A	19970818	199940	B

Priority Applications (No Type Date): US 97912402 A 19970818

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5935252	A		31	G06F-001/26	

Abstract (Basic): US 5935252 A

NOVELTY - Smart card vital product data (VPD) **chips** are associated with a respective element of the computer system. Each VPD **chip** stores data about the associated element of the computer system, which is read by control devices (102,104,106) prior to applying power to the system in order to configure predetermined operating parameters of computer system elements.

DETAILED DESCRIPTION - A system control network (SPCN) is provided through which the control device accesses data stored in the VPD **chips** . The computer system has a separate power sources which powers up the VPD **chips** separate from powering up the computer system. The respective associated elements include processors, memories and back planes. The control device maintains a table of data accessed from the VPD **chips** . An INDEPENDENT CLAIM is also included for the method of **configuring** a **computer** system.

USE - For determining and setting system device configuration relating to power, cooling etc., in computer system.

ADVANTAGE - Configures power and cooling system and make any critical checks before power is applied to entire computer system, thereby avoiding the risk of damaging the computer system **components** . Critical information necessary to power up the system is collected first, hence power up can be accomplished in the minimum time required.

DESCRIPTION OF DRAWING(S) - The figure shows one part of system device configuration setting apparatus in computer system.

Control devices (102,104,106)

pp; 31 DwgNo 1A/11

Title Terms: SYSTEM; DEVICE; CONFIGURATION; SET; APPARATUS; COMPUTER; SYSTEM

Derwent Class: T01

International Patent Class (Main): **G06F-001/26** .

File Segment: EPI

File 348:EUROPEAN PATENTS 1978-2003/May W04
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File 349:PCT FULLTEXT 1979-2002/UB=20030529,UT=20030522
(c) 2003 WIPO/Univentio

Set	Items	Description
S1	288915	COMPUTER OR PC OR WORKSTATION OR WORK()STATION OR COMPUTING()(DEVICE OR SYSTEM)
S2	15168	(DESIGN??? OR DEVELOP? OR CREAT??? OR PRODUCTION? ? OR PRODUCING OR PRODUCE OR BUILD? OR CONSTRUCT? OR ASSEMBL? OR FABRICAT? OR MANUFACTURE OR CONFIGUR?)(2W)S1
S3	12782	FIRMWARE OR FIRM()WARE OR EMBEDDED()(CHIP? ? OR MICROCHIP? ? OR PART? ? OR ELEMENT? ? OR MODULE? ? OR HARDWARE OR SOFTWARE OR SYSTEM? ? OR PROCESSOR? ? OR MICROPROCESSOR? ?)
S4	363805	BIOS OR CMOS OR CHIP? ? OR CHIPSET? ? OR MICROCHIP? ? OR ROM? ? OR PROM? ? OR EPROM? ? OR EEPROM? ? OR SEMICONDUCT??? OR SEMI(W)CONDUCT??? OR IC OR ASIC
S5	159032	DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR LIBRAR??? OR KNOWLEDGE(1W)BASE OR INVENTORY
S6	6884	S5(5N)(COMPONENTS OR SUBCOMPONENTS OR PARTS OR PIECES OR MODULES OR ASSEMBLIES OR SUBASSEMBLIES)
S7	130	S2(S)S6
S8	83	S7 AND IC=G06F
S9	41	S2(S)S6(S)S3:S4 AND IC=G06F
S10	42	S8 NOT S9
S11	1562	(COMPUTER OR PC)()(PARTS OR COMPONENTS)
S12	14	S5(5N)S11 AND IC=G06F
S13	86	S2(S)S3(S)S4
S14	54	S13 AND IC=G06F
S15	44	S14 NOT (S8 OR S12)
S16	48	S5(10N)S3(10N)S4
S17	44	S16 NOT (S8 OR S12 OR S15)
S18	252	S5(10N)(PROM? ? OR EPROM? ? OR EEPROM? ?)
S19	92	S18 AND IC=G06F
S20	84	S19 NOT (S8 OR S12 OR S15 OR S17)
S21	203908	MANUFACTURER? ? OR DEVELOPER? ? OR ENGINEER?
S22	1713	S2(S)S5
S23	200	S2(S)S5(S)S21
S24	126	S23 AND IC=G06F
S25	90	S24 NOT (S8 OR S12 OR S15 OR S17 OR S20)
S26	33	S25/TI,AB,CM
S27	57	S25 NOT S26



10/5,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00465825
Intelligent computer integrated maintenance system and method.
System und Verfahren fur rechnerintegrierte Wartung.
Systeme et methode pour l'entretien commande par ordinateur.
PATENT ASSIGNEE:
R.J. REYNOLDS TOBACCO COMPANY, (280010), 401 North Main Street, Winston-Salem North Carolina 27102, (US), (applicant designated states: AT;BE;CH;DE;DK;ES;FR;GB;GR;IT;LI;LU;NL;SE)
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Bird, Michael J., 26 Ashton Court, Clemmons, North Carolina 27012, (US)
LEGAL REPRESENTATIVE:
Hoeger, Stellrecht & Partner (100381), Uhlandstrasse 14 c, W-7000 Stuttgart 1, (DE)
PATENT (CC, No, Kind, Date): EP 467257 A2 920122 (Basic)
EP 467257 A3 930818
APPLICATION (CC, No, Date): EP 91111751 910715;
PRIORITY (CC, No, Date): US 552728 900716
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IT; LI; LU; NL; SE
INTERNATIONAL PATENT CLASS: **G06F-015/21**
CITED PATENTS (EP A): US 4803634 A; GB 2225137 A; US 4459663 A
CITED REFERENCES (EP A):
IEEE TRANSACTIONS ON INDUSTRY APPLICATIONS vol. IA-20, no. 3, May-June 1984, NEW YORK, US pages 528 - 531 S.E. EHINGER 'A Simple Computer-Based Maintenance System that Works'
INDUSTRIAL COMPUTING, October 1989, UK pages 59 - 60 L. WITHERS 'How to prevent downtime'
ADVANCES IN INSTRUMENTATION vol. 42, no. 1, 1987, RESEARCH TRIANGLE PARK, NC, US pages 301 - 307 J.W. MCELROY AND J.R. SCHEIBEL 'EPRI On-Line Diagnostic Monitoring Center at Philadelphia Electric Company'
EXPERT SYSTEMS vol. 1, no. 1, 1984, ABINGDON, GB pages 25 - 49 M.S. FOX AND S.F. SMITH 'ISIS - a knowledge-based system for factory scheduling' ;

ABSTRACT EP 467257 A2
An intelligent computer integrated maintenance system and method may be used with a group of machines which require maintenance, known as a "complex", such as a group of production lines each of which includes many production machines for producing a product. The intelligent computer integrated maintenance system includes an electronically stored parts manual which contains a hierarchical listing of all parts in the production machines. The hierarchical listing contains a complete bill of materials which breaks each machine into subassemblies and breaks each subassembly into its subassemblies down to the level of individual parts. The intelligent computer integrated maintenance system also includes a maintenance operations computer controller which includes a maintenance schedule management subsystem, an engineering change control subsystem, a parts manual management subsystem and a spares inventory management subsystem. The maintenance schedule management subsystem obtains a schedule of actual and planned production system and groups maintenance activities in order to minimize the lost production time for each complex. For example, maintenance is scheduled for off-line times for each complex if possible. Alternatively, if a number of maintenance tasks are scheduled for a short time interval, they may be grouped together so

that they can be performed simultaneously.

The engineering change control subsystem integrates engineering change activities with maintenance activities to maximize production time. The automated parts manual is also updated to account for engineering change controls. The spare parts inventory management subsystem orders spare parts based on predicted maintenance rather than on prescribed inventory levels. Just-in-time parts ordering is thereby facilitated.

The computer integrated maintenance system and method of the present invention allows maintenance operations to be integrated into the complexes primary activity, such as production, in an intelligent manner. When used, production efficiency is maximized as is the use of available maintenance manpower. Engineering changes are easily accommodated and spare parts inventory is kept to a minimum. (see image in original document)

ABSTRACT WORD COUNT: 317

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	920122	A2	Published application (Alwith Search Report ;A2without Search Report)
Search Report:	930818	A3	Separate publication of the European or International search report
Examination:	940406	A2	Date of filing of request for examination: 940204
Examination:	970625	A2	Date of despatch of first examination report: 970513
Withdrawal:	971022	A2	Date on which the European patent application was withdrawn: 970828

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	2136
SPEC A	(English)	EPABF1	16615
Total word count - document A			18751
Total word count - document B			0
Total word count - documents A + B			18751

INTERNATIONAL PATENT CLASS: **G06F-015/21**

...SPECIFICATION patent noted above discloses a glassware production control system which also provides maintenance information. The Ohno et al. '634 patent noted above also describes a **production** process control **computer** which includes a materials and maintenance control subsystem. The materials and maintenance control subsystem controls the timing of parts replacement. The timing of parts replacement...

...consumable parts may be calculated. When parts replacement is needed, the quantity of parts used for replacement is deducted from the stock volume in the **parts inventory** file. When the stock volume of **parts** in the **parts inventory** file becomes smaller than at the time of parts ordering, an order form slip is printed. In other words, a "point of ordering" system is...

...CLAIMS schedule management means further comprises means for generating a daily maintenance schedule to identify maintenance activities to be performed each day to reduce disruption of **production** .

19. The **computer** integrated maintenance system of Claim 11 further comprising:

an electronically stored spares **inventory** file for identifying generic **parts** used in said plurality of production machines and replaceable parts used in said plurality of production machines; and

said spares inventory management means further comprising...

10/5,K/5 (Item 5 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00289590

Manufacturing system using three-dimensional graphics models

Herstellungssystem unter Verwendung von dreidimensionalen graphischen Modellen

Systeme de fabrication utilisant des modeles graphiques en trois dimensions

PATENT ASSIGNEE:
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INVENTOR:
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Zamzow, Charles E., Rancho Palos Verdes, Los Angeles Ca., (US)
Mladenoff, Donald D., Alta Loma, Orange Ca., (US)

LEGAL REPRESENTATIVE:
Ebbinghaus, Dieter, Dipl.-Ing. et al (3183), Patentanwalte v. Funer, Ebbinghaus, Finck Mariahilfplatz 2 & 3, D-81541 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 290809 A2 881117 (Basic)
EP 290809 A3 910724
EP 290809 B1 960403

APPLICATION (CC, No, Date): EP 88105995 880414;

PRIORITY (CC, No, Date): US 50794 870414

DESIGNATED STATES: DE; ES; FR; GB; SE

INTERNATIONAL PATENT CLASS: **G06F-017/50**

CITED REFERENCES (EP A):
MACHINE DESIGN, vol. 56, no. 2, January 1984, pages 40-44, Cleveland, Ohio, US; G.D. HODSON: "CAT/CAM takes the guesswork out of mold-making"
IBM TECHNICAL DISCLOSURE BULLETIN, vol. 16, no. 5, October 1973, pages 1628-1629, New York, US; P.A. SCHUMANN et al.: "Manufacturing piece part inspection design system"
ELECTRONIC DESIGN, vol. 30, no. 21, October 1982, pages 225-236, Waseca, MN, Denville, NJ, US; M. SCHLINDER: Systems & Software; "CAD/CAM systems shape up for total automation";

ABSTRACT EP 290809 A2

In a manufacturing process for a structure, as for instance an aircraft, an engineering definition of the aircraft is **created** in a **computer** system as a data model utilizing 3-D graphics software. The data model is stored in a **data base** in the computer system. Component **parts** of the aircraft are then selected, as for instance a surface, and virtual production and virtual assembly tools for this surface designed in the 3-D graphics software. These virtual tools are then added to the data model. The virtual tools are designed utilizing either an operator interfacing with the 3-D graphics or software equivalents thereof as for instance computer aided tooling design software. The virtual definitions in the data model are utilized to form tangible tools corresponding to the virtual components in the data model. These tangible tools are utilized to form component parts of the aircraft. Computer aided theodolites can be downloaded with data from the data model. The computer aided theodolites are utilized to check the structure of the tangible tools and/or to assist in their assembly and further to assist in the assembly of the aircraft from it component parts.

ABSTRACT WORD COUNT: 194

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	881117	A2	Published application (A1with Search Report ;A2without Search Report)
Search Report:	910724	A3	Separate publication of the European or International search report
Change:	910807	A2	International patent classification (change)
Change:	910807	A2	Obligatory supplementary classification (change)
Examination:	920219	A2	Date of filing of request for examination: 911212
Change:	940223	A2	Representative (change)
Examination:	940817	A2	Date of despatch of first examination report: 940630
Change:	960117	A2	Representative (change)
*Assignee:	960117	A2	Applicant (transfer of rights) (change): Northrop Grumman Corporation (1062773) 1840 Century Park East Los Angeles, California

90067-2199 (US) (applicant designated states: DE;ES;FR;GB;SE)
*Assignee: 960117 A2 Previous applicant in case of transfer of rights (change): NORTHROP GRUMMAN CORPORATION (1062771) 1840 Century Park East Century City Los Angeles California 90067-2199 (US) (applicant designated states: DE;ES;FR;GB;SE)
Grant: 960403 B1 Granted patent
Oppn None: 970326 B1 No opposition filed
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	2139
CLAIMS B	(English)	EPAB96	2194
CLAIMS B	(German)	EPAB96	1870
CLAIMS B	(French)	EPAB96	2547
SPEC A	(English)	EPABF1	17627
SPEC B	(English)	EPAB96	17688
Total word count - document A			19767
Total word count - document B			24299
Total word count - documents A + B			44066

INTERNATIONAL PATENT CLASS: **G06F-017/50**

...ABSTRACT A2
In a manufacturing process for a structure, as for instance an aircraft, an engineering definition of the aircraft is **created** in a **computer** system as a data model utilizing 3-D graphics software. The data model is stored in a **data base** in the computer system. Component **parts** of the aircraft are then selected, as for instance a surface, and virtual production and virtual assembly tools for this surface designed in the 3...

10/5,K/26 (Item 21 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00573171 **Image available**
SYSTEM AND METHOD FOR CONFIGURING A PRODUCT
SYSTEME ET PROCEDE DE CONFIGURATION DE PRODUIT
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Legal Representative:
GOLDMAN William G (agent), Gray Cary Ware & Freidenrich LLP, Patent Department - HV, 400 Hamilton Avenue, Palo Alto, CA 94301-1825, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200036544 A1 20000622 (WO 0036544)
Application: WO 99US30176 19991217 (PCT/WO US9930176)
Priority Application: US 98112692 19981218; US 99465412 19991216
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-019/00**
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims

Fulltext Word Count: 7016

English Abstract
A configuration system (20) and method are provided in which a configuration of a product having one or more parts may be automatically recommended to a user. The recommendation may be based on the needs of the user. The recommended configuration of the product is also automatically checked for violations of rules governing the configuration. The system (20) may store a profile of a user so that the user may use the same profile repeatedly.

French Abstract
La presente invention concerne un systeme (20) et un procede de configuration dans lesquels une configuration de produit presentant une ou plusieurs parties peut etre automatiquement recommandee a un utilisateur. La recommandation peut etre basee sur les besoins de l'utilisateur. La configuration recommandee du produit est automatiquement testee en regard de violations de regles gouvernant la configuration. Le systeme (20) peut stocker un profil d'utilisateur de maniere a ce que cet utilisateur puisse utiliser le meme profil de maniere repetitive.

Legal Status (Type, Date, Text)
Correction 20011101 Corrected version of Pamphlet: pages 1/9-9/9, drawings, replaced by new pages 1/8-8/8; due to late transmittal by the receiving Office
Correction 20010208 Corrections of entry in Section 1:
Republication 20011101 A1 With international search report.

Main International Patent Class: **G06F-019/00**
Fulltext Availability:
Detailed Description

Detailed Description
... and 7B. The user profile generated may be stored in a user profile database 76 so that the user profile may be later used to **produce** a recommended **computer** system. The generated user profile may also be fed into a recommender 78 which uses the user profile, information from a **parts database** 80 and information from a rule engine 82 to recommend a computer system to the user. The process for recommending the computer system will be described below. The **parts database** 80 may contain a list of the parts which may be included with any computer system, such as different hard drives, processors or the like...

10/5,K/29 (Item 24 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00429953 **Image available**
INFORMATION APPLIANCE ARCHITECTURE
ARCHITECTURE DE CONFIGURATION INFORMATIQUE
Patent Applicant/Assignee:
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Inventor(s):
COLEMAN Patrick J,
WHITTAKER Thomas E,
YIP David C W,
MOORE Mark A,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9820417 A1 19980514
Application: WO 97US19863 19971031 (PCT/WO US9719863)
Priority Application: US 96743803 19961105
Designated States: GB JP KR AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: **G06F-009/455**
International Patent Class: **G06F-13:00**
Publication Language: English

Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 9867

English Abstract
An architecture for an information appliance adapted for a specific application supports a variety of appliance personalities, relying on a single core technology. The information appliance comprises an application-optimized hardware platform, including a processor (20), a display (21), an input/output device (26), a user input device (22), and working memory (24, 25). Non-volatile memory stores appliance operating software and application software. The appliance operating software includes an operating system kernel (26) that is adapted for the processor (20), and a system library (53) that includes logic providing an interface to the application software. An operating service layer provides an abstraction function between the system library (53) and the appliance operating system kernel (16) and hardware (15), so that the logic in the system library and above, such as the application itself, is executable with a development platform operating system which is completely different from the operating system of the appliance.

French Abstract
La presente invention concerne une architecture de configuration informatique qui est concue pour une application specifique et qui admet divers types de personnalites de la configuration en ayant recours a une technologie unique du noyau. Cette configuration informatique comporte une plate-forme materielle, optimisee pour une application, et qui se compose d'un processeur (20), d'un ecran (21), d'un organe d'entrees/sorties (26), d'un organe d'entree utilisateur (22), et d'une memoire de travail (24, 25). Une memoire non volatile stocke le logiciel d'exploitation de la configuration ainsi que le logiciel d'application. Le logiciel d'exploitation de la configuration comporte un noyau (16) de systeme d'exploitation adapte au processeur (20) et une bibliotheque systeme (53) qui inclut une logique assurant une interface avec le logiciel d'application. Une couche de service du systeme d'exploitation assure une fonction d'abstraction entre d'une part la bibliotheque systeme (53) et le noyau (16) d'exploitation de la configuration, et d'autre part le materiel (15) de facon que la logique de la bibliotheque systeme et des niveaux superieurs, par exemple, une application proprement dite, puisse s'executer avec un systeme d'exploitation de plate-forme de mise au point qui sera completement different du systeme d'exploitation de la configuration.

Main International Patent Class: **G06F-009/455**
International Patent Class: **G06F-13:00**
Fulltext Availability:
Detailed Description

Detailed Description
... the information appliance. The information appliance has an application optimized appliance hardware architecture as described above. The
method comprises the steps of providing on a **development workstation** , a
system library module, a device driver library, and an operating system service
5
module of the format discussed above. The operating system service module provides an abstraction function between the system **library** module and higher
layer **modules** and the **development workstation** . Next, the method includes
developing the application program on the **development workstation** , using the
system library module and the device driver library. Next, the method comprises replacing the operating system service module on the development module.

Accordingly...

10/5,K/37 (Item 32 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00282755
INCREMENTAL BUILD SYSTEM
SYSTEME DE CONSTRUCTION INCREMENTIELLE
Patent Applicant/Assignee:
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Inventor(s):
MCINERNEY Peter Joseph,
GIBBONS Bill,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9500901 A1 19950105
Application: WO 94US41 19940103 (PCT/WO US9400041)
Priority Application: US 9385487 19930628
Designated States: AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB HU JP KP KR KZ LK LU LV MG MN MW NL NO NZ PL PT RO RU SD SE SK UA UZ VN AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Main International Patent Class: **G06F-009/44**
International Patent Class: **G06F-09:45**
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 11352

English Abstract
A human oriented object programming system provides an interactive and dynamic process for the incremental **building** of **computer** programs which facilitates the **development** of complex **computer** programs such as operating systems and large applications with graphic user interfaces (GUIs). The program is modeled as a collection of units called components. A component represents a single compilable language element such as a class or a function. The three major functionalities are the database, the compiler and the build mechanism. The **database** stores the **components** and properties. The compiler, along with compiling the source code of a property, is responsible for calculating the dependencies associates with a component. The build mechanism uses properties of components along with the compiler generated dependencies to correctly and efficiently sequence the compilation of components during a build process.

French Abstract
Un systeme programmable par objets concu pour l'utilisateur non specialise permet un processus interactif et dynamique de construction incrementielle de programmes ordinateur qui facilitent le developpement de programmes ordinateur complexes, tels que des systemes d'exploitation et des applications importantes avec les interfaces graphiques d'utilisateur. Le programme est modele sous la forme d'une collection d'unites appelees composants. Un composant represente un seul element de langage compilable tel qu'une classe ou une fonction. Les trois elements operationnels majeurs sont la base de donnees, le compilateur et le mecanisme de construction. La base de donnees enregistre les composants et les proprietes. Le compilateur, en plus de la compilation du code de base d'une propriete, est charge du calcul des dependances associees avec un composant. Le mecanisme de construction utilise les proprietes des composants en meme temps que les dependances generees par le compilateur pour sequencer correctement et efficacement la compilation des composants durant un processus de construction.

Main International Patent Class: **G06F-009/44**
International Patent Class: **G06F-09:45**

English Abstract

A human oriented object programming system provides an interactive and dynamic process for the incremental **building** of **computer** programs which facilitates the **development** of complex **computer** programs such as operating systems and large applications with graphic user interfaces (GUIs). The program is modeled as a collection of units called components. A...

...single compilable language element such as a class or a function. The three major functionalities are the database, the compiler and the build mechanism. The **database** stores the **components** and properties. The compiler, along with compiling the source code of a property, is responsible for calculating the dependencies associates with a component. The build...

10/5,K/41 (Item 36 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
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00191195 **Image available**

COMPUTER-AIDED SOFTWARE ENGINEERING FACILITY
UNITE D'INGENIERIE DU LOGICIEL ASSISTEE PAR ORDINATEUR

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HAYMAN Craig B,
HILDEBRAND Daniel,
HUGHES James,
LAMBERT Jeffrey L,
LEE Douglas E,
LIM Nicholas R,
MODI Rajan S,
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Patent and Priority Information (Country, Number, Date):
Patent: WO 9108543 A1 19910613
Application: WO 90US7013 19901130 (PCT/WO US9007013)
Priority Application: US 8960 19891130
Designated States: AT AU BE CA CH DE DK ES FR GB GR HU IT JP KR LU NL SE SU
US

Main International Patent Class: **G06F-015/40**
International Patent Class: **G06F-15:21** ; **G06F-09:45**
Publication Language: English
Fulltext Availability:
 Detailed Description
 Claims
Fulltext Word Count: 21971

English Abstract
A computer-aided software engineering facility (CASE) for providing a method for generating source code and executable computer programs in a language supported by various hardware entities in the multiprocessing system, using the entity-relationship model and the high level Rules Language models that are distributable across multiple hardware environment or platforms. An object oriented modeling system is complied with linked rules of the Rules Language (59) as well as other system components to quickly and efficiently design computer source code and executable computer modules that have a high degree of precision as stored in a Repository (52).

French Abstract
Une unite d'ingenierie du logiciel assistee par ordinateur (CASE) permet de mettre au point un procede pour generer des programes d'ordinateur executables et de code-source dans un langage supporte par plusieurs entites machine dans un systeme de multi-traitement en utilisant le modele a relation avec l'entite et des modeles de regles-langage de haut niveau pouvant etre distribues sur des environements ou des plates-formes de machines multiples. Un systeme de modelage a orientation sur objet satisfait des regles associees des regles-langage (59) ainsi que d'autres composants du systeme pour concevoir rapidement et efficacement des modules d'ordinateur executables et de code-source qui ont un degre de precision stocke dans un gisement de donnees (52).

Main International Patent Class: **G06F-015/40**
International Patent Class: **G06F-15:21** ...

... **G06F-09:45**
Fulltext Availability:
 Detailed Description

Detailed Description
... Flow for a sample program using entity relationship modeling techniques according to the presented invention.

Detailed Description of the Invention
A. Hardware
A typical hardware **configuration** for a **computer** system using the CASE facility of the present invention is shown in FIG. 1. The figure describes a "three tiered" computer system, named for the...appear. For each program, a data-model and a processmodel are developed through the use of an entity relationship modeling system and stored in the **Repository** 4. The high-level logic **modules** stored in the **Repository** 4 are written in a Rules Language defined by the present invention as described below. The information is environment independent and is structured to provide...

10/5,K/42 (Item 37 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00181912 **Image available**
EXPERT SYSTEM APPARATUS AND METHODS
APPAREIL ET PROCEDES D'UTILISATION D'UN SYSTEME EXPERT

Patent Applicant/Assignee:
WANG LABORATORIES INC,
Inventor(s):
BOLLING Richard W,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9015389 A1 19901213
Application: WO 90US250 19900110 (PCT/WO US9000250)
Priority Application: US 89434 19890605
Designated States: AT AU BE CH DE DK ES FR GB IT JP LU NL SE
Main International Patent Class: **G06F-015/18**
International Patent Class: **G06F-11:00**
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 17311

English Abstract
A definition-based expert system (203, 215, 219) and expert system shell (203, 207, 215, 219). The expert system shell creates a knowledge base consisting of terms and their definitions, the definitions making up a hierarchy of definitions in which each definition depends only on terms defined at lower levels in the hierarchy or on term-independent values. Expert responses are obtained from the system by evaluating the terms. When a term is evaluated, all of the term-independent values and the values of all of the terms in its definition are obtained. The definitions include operators specifying operations which are to be performed when the defined term is evaluated. The operators include causing other systems operable in the digital computer system in which the expert system is operating to operate.

French Abstract
L'invention se rapporte a un systeme expert a base de definitions (203, 215, 219) et a un systeme expert generique (203, 207, 215, 219). Le systeme expert generique cree une base de connaissances composees de termes et de leurs definitions, lesquelles forment une hierarchie de definitions, dans laquelle chaque definition depend seulement des termes definis a des niveaux inferieurs dans la hierarchie ou de valeurs independantes des termes. On obtient des reponses expert du systeme en evaluant les termes. Lors de l'evaluation d'un terme, toutes les valeurs independantes des termes ainsi que les valeurs de tous les termes contenus dans sa definition sont obtenues. Les definitions contiennent des operations de specification operateurs qui sont executees lors de l'evaluation du terme defini. L'execution des operations operateurs consiste a permettre l'exploitation d'autres systemes exploitables dans le systeme d'ordinateur numerique dans lequel le systeme expert est exploite.

Main International Patent Class: **G06F-015/18**
International Patent Class: **G06F-11:00**
Fulltext Availability:
Detailed Description

Detailed Description
... the Invention
1. Field of the Invention
The present invention relates to expert systems implemented by means of digital computers and more particularly to the **knowledge base** and inference engine **components** of expert systems, to apparatus for creating expert systems, and to apparatus and methods for creating a definitional knowledge base,
A
2. Description of the...

...the
value of a given piece of information and see how that affects the result. Expert systems have been built which

perform tasks such as **configuring** large **computer** systems, diagnosing bacterial infections, or diagnosing why an oil drilling bit has become stuck and suggesting a remedy.

12/5,K/12 (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00760532 **Image available**

METHOD AND SYSTEM FOR MANAGING A REAL TIME BILL OF MATERIALS
PROCEDE ET SYSTEME POUR LA GESTION EN TEMPS REEL DE NOMENCLATURE

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Legal Representative:
WHITHAM Michael E, Whitham, Curtis & Whitham, 11800 Sunrise Valley Drive, Suite 900, Reston, VA 20191, US

Patent and Priority Information (Country, Number, Date):
Patent: WO 200073953 A1 20001207 (WO 0073953)
Application: WO 2000US12913 20000511 (PCT/WO US0012913)
Priority Application: US 99318842 19990526
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-017/60**
International Patent Class: **G06F-153:00**
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 13734

English Abstract
An automated method for quickly generating a complete bill of materials and total cost information in real time. A design engineer builds a model of the desired wireless communications system (106) and specifies each component necessary to provide sufficient or optimal system performance. A parts list is maintained, in real time, that contains a definition of each system component and its associated performance and cost parameters. As the user changes wireless system designs through a series of "what-if" scenarios, components are replaced with substitute components, cable lengths are modified, antenna systems and base station parameters are re-designed and moved to alternate locations, etc. The bill of materials is automatically updated and component costs and total system costs are immediately available to the design engineer. The designer may choose to swap components for less expensive components or may investigate several alternate radio frequency distribution and antenna schemes, etc. The performance characteristics of the system are automatically updated.

French Abstract
L'invention concerne un procede automatise pour la generation rapide d'une nomenclature complete et d'informations de cout total en temps reel. Un ingenieur concepteur construit un modele du systeme de communication sans fil voulu (106) et precise chaque composant necessaire a l'obtention de performances du systeme suffisantes ou optimales. Une liste des pieces est conservee, en temps reel, laquelle contient des definitions de chaque composant du systeme, ses performances et ses parametres de couts associes. A mesure que l'utilisateur modifie les parametres de conception du systeme par une serie de scenarios de simulation, les composants sont remplaces par des composants de remplacement, les longueurs de cables sont modifiees, les systemes d'antenne et les parametres relatifs aux stations fixes sont re-concus et deplaces dans des emplacements de remplacement. La nomenclature est mise

a jour automatiquement, les couts des composants et les cout totaux du systeme sont communiques immediatement a l'ingenieur concepteur. Le concepteur peut choisir de remplacer des composants par des composants moins chers ou peut etudier plusieurs projets de repartition de radiofrequences et d'antennes. Les caracteristiques de performance du systeme sont mises a jour automatiquement.

Legal Status (Type, Date, Text)
Publication 20001207 A1 With international search report.
Examination 20010222 Request for preliminary examination prior to end of 19th month from priority date

Main International Patent Class: **G06F-017/60**
International Patent Class: **G06F-153:00**
Fulltext Availability:
Detailed Description

Detailed Description
... pup oulow
oou-ew.ioj-i;)d waisXs ssajolim paindwoo awos 01 DAIIE131 SOUPA QUIl E16ZI/OOSfl/JLJd C96CLI00 OM
i incy
component from a **computer parts database** and then ...position' orientina, and interconnecting various hardware components within the ID
3-D environmental database to form complete wireless communication systems. The preferred embodiment of the **computer parts database** is 5 more fully described below. The resulting interconnected network of RF hardware components (commonly known as a wireless distributed antenna) is preferably assembled using...

12/5,K/14 (Item 14 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00128236
HIERARCHICAL KNOWLEDGE SYSTEM
SYSTEME DE CONNAISSANCES HIERARCHIQUE
Patent Applicant/Assignee:
TEKNOWLEDGE INC,
Inventor(s):
BENNETT James S,
LARK Jay S,
Patent and Priority Information (Country, Number, Date):
Patent: WO 8600735 A1 19860130
Application: WO 85US1092 19850610 (PCT/WO US8501092)
Priority Application: US 84817 19840709
Designated States: AT BE CH DE FR GB IT JP LU NL SE
Main International Patent Class: **G06F-015/24**
International Patent Class: **G06F-15:46** ; B23P-21:00
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 32306
English Abstract
A knowledge system has a hierarchical knowledge base (14) comprising a functional decomposition (22) of a set of elements (24) into subsets (41-46) over a plurality of hierarchical levels (40), a plurality of predefined functions or conditions (16) of the elements (24) within the subsets (41-46) of a plurality of the hierarchical levels, and a predefined set of operations to perform on a user-defined set of elements responsive to the functional knowledge base. Preferably, the knowledge base (14) is defined declaratively by assigning parent sets to offspring subsets to define the hierarchy (22), by indicating the conditions (16) of the subsets which satisfy the predefined functions and by writing task blocks (23) in an imperative language defining the sequence of operations

to perform on the user-defined set of elements. Preferably the operations include matching (120), configuring (130) and expanding (150) the user-defined set of elements into the defined subsets of individual elements and evaluating (140) the predefined functions, and the operations are executed recursively. In a specific embodiment the elements are available components for a system or item of manufacture (30), and the subsets of elements are sub-asemblies (32-39) or functionally related components. The predefined functions define condition-action constraints (16) to insure that the sub-assemblies (32-39) have compatible components.

French Abstract

Un systeme de connaissances possede une base de connaissances hierarchique (14) comprenant une decomposition fonctionnelle (22) d'un ensemble d'elements (24) en sous-ensembles (41-46) sur une pluralite de niveaux hierarchiques (40), une pluralite de fonctions ou conditions predefinies (16), des elements (24) dans les sous-ensembles (41-46) d'une pluralite de niveaux hierarchiques, et un ensemble predefini d'operations a effectuer sur un ensemble d'elements defini par l'utilisateur sensibles a la base de connaissance fonctionnelle. De preference, la base de connaissance (14) est ouvertement finie en affectant des ensembles parents a des sous-ensembles de descendance pour definir la hierarchie (22), en indiquant les conditions (16) des sous-ensembles qui satisfont les fonctions predefinies et en ecrivant des blocs de tache (23) dans un langage imperatif definissant la sequence d'operation a effectuer sur l'ensemble d'elements defini par l'utilisateur. De preference, les operations comprennent la correspondance (120), la configuration (130) et l'expansion (150) de l'ensemble d'elements defini par l'utilisateur dans les sous-ensembles definis d'elements individuels et l'evaluation (140) des fonctions predefinies, les operations etant executees de maniere recursive. Dans un mode specifique de realisation, les elements sont des elements disponibles pour un systeme ou un article de fabrication (30), et les sous-ensembles ou sous-groupes d'elements sont des sous-ensembles (32-39) ou des composants en relation fonctionnelle. Les fonctions predefinies definissent des contraintes de condition-action (16) pour s'assurer que les sous-ensembles (32-39) possedent des composants compatibles.

Main International Patent Class: **G06F-015/24**
International Patent Class: **G06F-15:46** ...
Fulltext Availability:
Detailed Description

Detailed Description

... M1234 COMPUTER
APPENDIX II (A)
KNOWLEDGE BASE FOR M1234 COMPUTER FUNCTIONAL HIERARCHY
APPENDIX II (B)
KNOWLEDGE BASE FOR M1234 COMPUTER TASK BLOCKS
APPENDIX II (C)
KNOWLEDGE BASE FOR M1234 **COMPUTER PARTS** CATALOG
APPENDIX II (D)
KNOWLEDGE BASE FOR M1234 COMPUTER CONSTRAINTS & BIN VARIABLES & KNOWLEDGE BASE FUNCTIONS
APPENDIX II (E)
KNOWLEDGE BASE FOR M1234 COMPUTER EXPANSION RULES
APPENDIX III (A)
MINICOMPUTER ORDER CHECKING...IMPLEMENTS MAINFRAME)))
(CONFIGURE 'REST (FIND 'ALL 'CCS '(IMPLEMENTS REST)))
(CHECK 'POWER)
(CHECK 1PIBS)
(EXPAND* '(AK FT KT))
(CHECK 'EFFECTIVITY)
(CHECK 'PHASE-OUT))
APPENDIX II (C)
KNOWLEDGE BASE FOR M1234 **COMPUTER PARTS** CATALOG

27/5,K/14 (Item 14 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00744078
Graphical environment for constructing systems
Grafische Umgebung fur Systemkonstruktion
Environnement graphique pour la construction des systemes
PATENT ASSIGNEE:
AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
Selfridge, Peter Gilman, 221 Locust Drive, Cranford, New Jersey 07016, (US)
Terveen, Loren Gilbert, 28 Woodward Lane, Basking Ridge, New Jersey 07920, (US)
LEGAL REPRESENTATIVE:
Watts, Christopher Malcolm Kelway, Dr. et al (37391), AT&T (UK) Ltd. 5, Mornington Road, Woodford Green Essex, IG8 0TU, (GB)
PATENT (CC, No, Kind, Date): EP 702292 A2 960320 (Basic)
EP 702292 A3 960508
EP 702292 A3 960703
APPLICATION (CC, No, Date): EP 95306477 950914;
PRIORITY (CC, No, Date): US 308250 940919
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06F-009/44** ; **G06F-017/50**

ABSTRACT EP 702292 A3
Apparatus for constructing a complex artifact out of primitive artifacts and other complex artifacts. The apparatus has a permanent knowledge base of primitive artifacts, previously-made complex artifacts, and rules defining how complex artifacts are made from primitive artifacts. All artifacts in the permanent knowledge base have been checked for consistency. Artifacts from the permanent knowledge base are displayed in a search area as directed graphs in which the artifacts are represented by nodes. A user may search the permanent knowledge base, and the directed graphs in the search area show the results of the search. To construct a new complex artifact or to add to a complex artifact under construction, the user selects nodes of the directed graphs which represent desired component artifacts. Information about the desired artifacts is copied from the permanent knowledge base to a working knowledge base and a directed graph of the contents of the working knowledge base is displayed in a work area. When information is added to the working knowledge base, consistency checks are made using the rules and the information in the permanent knowledge base. The results of the consistency checks appear in the display in the work area. A user may store an artifact under construction in the permanent knowledge base. A mapping editor permits the user to determine how object artifacts are mapped to the displays of the directed graphs. (see image in original document)
ABSTRACT WORD COUNT: 259

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	960320 A2	Published application (A1with Search Report ;A2without Search Report)
Change:	960424 A2	Obligatory supplementary classification (change)
Search Report:	960508 A3	Separate publication of the European or International search report
*Search Report:	960529 A2	Separate publication of European or Intl search report (change)
Search Report:	960703 A3	Separate publication of the European or International search report
Examination:	970226 A2	Date of filing of request for examination: 961211
Withdrawal:	971203 A2	Date on which the European patent application was withdrawn: 971008

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	447
SPEC A	(English)	EPAB96	9859
Total word count - document A			10306
Total word count - document B			0
Total word count - documents A + B			10306

INTERNATIONAL PATENT CLASS: **G06F-009/44** ...

... **G06F-017/50**

...SPECIFICATION Fischer, G., Grudin, J., Lemke, A.C., McCall, R., Ostwald. J., Reeves, B.N., and Shipman, F. "Supporting Indirect, Collaborative Design with Integrated Knowledge-Based **Design** Environments", Human **Computer** Interaction, 7 (1992); Reeves, B. and Shipman, F. "Supporting Communication between Designers with Artifact-Centered Evolving Information Spaces", In Proc. of CSCW'92, ACM, N...

...systems impose little or no set activity structure, instead mediating forms of collaboration organized around work products, e.g., managing access to component and artifact **libraries** and providing tools for creating, using, and sharing artifacts.

Toolkit-based approaches, finally, provide toolkits from which the user can construct whatever kind of collaborative...

...in satisfying commitments of all modules. For details, see W. Mark, S. Tyler, J. McGuire, J. Schlossberg, "Commitment-Based Software Development", IEEE Transactions on Software **Engineering** , 1992.

Though these artifact-based systems represent significant advances, user interfaces to such systems remain a problem. First, users need to be able

27/5,K/18 (Item 18 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00571892
Apparatus and methods for providing design advice.
Gerat und Verfahren zur Entwurfberatung.
Appareil et methode pour fournir un conseil de conception.
PATENT ASSIGNEE:
AT&T Corp., (589373), 32 Avenue of the Americas, New York, NY 10013-2412, (US), (applicant designated states: DE;FR;GB)
INVENTOR:
Selfridge, Peter Gilman, 221 Locust Drive, Cranford, New Jersey 07016, (US)
Terveen, Loren Gilbert, RR2, Box 582, Starglo Drive, Hampton, New Jersey 08827, (US)
LEGAL REPRESENTATIVE:
Watts, Christopher Malcolm Kelway, Dr. et al (37391), AT&T (UK) Ltd. 5, Mornington Road, Woodford Green Essex, IG8 0TU, (GB)
PATENT (CC, No, Kind, Date): EP 561564 A2 930922 (Basic)
EP 561564 A3 940518
APPLICATION (CC, No, Date): EP 93301852 930311;
PRIORITY (CC, No, Date): US 852596 920317
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06F-015/40** ; **G06F-015/60** ; **G06F-009/44**
CITED REFERENCES (EP A):
PROC. 1ST INT. CONF. ON INDUSTRIAL AND ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE AND EXPERT SYSTEMS 1 June 1988 , NEW YORK, ACM, US pages 447 - 455 BARBARA J. VIVIER ET AL. 'Annotator: an IA Approach to Engineering Drawing Annotation'

IEEE TRANSACTIONS ON SYSTEMS, MAN AND CYBERNETICS vol. 21, no. 6 , November 1991 , NEW YORK US pages 1379 - 1390 XP271253 MARK KLEIN 'Supporting Conflict resolution in cooperative design systems';

ABSTRACT EP 561564 A2

A knowledge-based artificial intelligence system which provides design advice. The artificial intelligence system includes a knowledge base of design information. Users of the system indicate an area about which they require design advice. The system provides the relevant advice. Included in the advice is an indication of the "owner" of the advice. The advice and the relationship between the design made by the user are part of a trace of the users' session with the system. The trace becomes part of a design document for the design. When the design is reviewed, the trace is reviewed as well. The system includes an interface for updating the knowledge base, and if the design review indicates a need to correct the knowledge base, the corrections are made using the interface for updating. A preferred embodiment of the system is used to provide advice to designers of a large software system concerning the use of an error reporting and handling system in the system being designed. (see image in original document)

ABSTRACT WORD COUNT: 170

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	930922	A2	Published application (A1with Search Report ;A2without Search Report)
Change:	940511	A2	Obligatory supplementary classification (change)
Search Report:	940518	A3	Separate publication of the European or International search report
*Assignee:	940622	A2	Applicant (name, address) (change)
*Assignee:	941005	A2	Applicant (transfer of rights) (change): AT&T Corp. (589370) 32 Avenue of the Americas New York, NY 10013-2412 (US) (applicant designated states: DE;FR;GB)
Examination:	941228	A2	Date of filing of request for examination: 941103
Examination:	990317	A2	Date of despatch of first examination report: 990202
Withdrawal:	991208	A2	Date application deemed withdrawn: 19990615

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPABF1	503
SPEC A	(English)	EPABF1	3041
Total word count - document A			3544
Total word count - document B			0
Total word count - documents A + B			3544

INTERNATIONAL PATENT CLASS: **G06F-015/40** ...

... **G06F-015/60** ...

... **G06F-009/44**

...SPECIFICATION domain, to locate, understand, and apply design knowledge relevant to a particular design situation.

New technology has resulted in automation of some parts of engineering **design** , in particular, **computer** -based graphics workstations for accessing and manipulating the artifacts of design. However, very little work has been done in actually assisting the design process by...

...in voluminous documents which only provide a primitive indexing ability. An alternative approach, the subject of this patent, is to codify design knowledge in a **knowledge base** and, equally important, provide mechanisms for a user to access that knowledge at relevant portions of the design process and provide mechanisms for the maintenance of the knowledge in the **knowledge base** .

Assuming the viability of such an approach, a number of important benefits will result. First of all, the availability of appropriate

design knowledge will improve...

27/5,K/42 (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00761423
A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR EFFECTIVELY CONVEYING WHICH COMPONENTS OF A SYSTEM ARE REQUIRED FOR IMPLEMENTATION OF TECHNOLOGY
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR L'ACHEMINEMENT EFFICACE DES COMPOSANTS D'UN SYSTEME NECESSAIRES A LA MISE EN PRATIQUE D'UNE TECHNOLOGIE
Patent Applicant/Assignee:
ACCENTURE LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US (Residence), US (Nationality)
Inventor(s):
GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,
MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,
Legal Representative:
BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903, Minneapolis, MN 55402-0903, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200073929 A2 20001207 (WO 0073929)
Application: WO 2000US14457 20000524 (PCT/WO US0014457)
Priority Application: US 99321136 19990527
Designated States: AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY CA CH CN CR CU CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-017/60**
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 150133

English Abstract

French Abstract
Cette invention se rapporte a un systeme, un procede et un article manufacture permettant l'acheminement efficace des composants d'un systeme necessaires a sa mise en pratique. A cet effet, on affiche d'abord une representation graphique du systeme, qui contient les divers composants du systeme, puis on code a l'aide d'indices ces composants, afin d'indiquer lesquels sont necessaires pour la mise en pratique du systeme.

Legal Status (Type, Date, Text)
Publication 20001207 A2 Without international search report and to be republished upon receipt of that report.
Examination 20010222 Request for preliminary examination prior to end of 19th month from priority date
Declaration 20010802 Late publication under Article 17.2a
Republication 20010802 A2 With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.
Declaration 20010802 Late publication under Article 17.2a

Correction 20010907 Corrected version of Pamphlet: pages 1/97-97/97, drawings, replaced by new pages 1/190-190/190; due to late transmittal by the receiving Office
Republication 20010907 A2 With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... new system requirements
0 Decrease development time and money by reducing rework
4' Achieve a smoother conversion, with less disruption to business
Each system is **designed** to meet the unique requirements of its users, and therefore benefits from a different mix of testing techniques. In many cases, designers find that the...

...and-pencil versions of user interfaces that allow developers to demonstrate the behavior of systems very early in development. Before any code has been written, **developers** build prototypes on paper and test them with real users, simulating the human-computer interaction. Designs are adjusted and retested several times until a usable...

...representation tools are used to display important system information in a form, which is easier to assimilate. These tools may, for example, produce structure charts, **database** schema diagrams, and data layouts. They can also print matrices that indicate relationships between modules and files or between jobs and programs.

Extraction
An extraction tool, in conjunction with a **repository** population tool, enables the developer to reuse selected portions of a legacy system. The extraction tool can typically read and extract information from source code, screens, reports, and the **database** . The most common information extracted from a legacy system, however, is the data: record/table structure, indexes, and data element definitions.

In component-based architectures, as systems are often built on top of legacy **databases** , some extraction tools allow generation of an object model from the legacy
148
database data model (DDL). By understanding the E-R diagram represented by the **database** , it is easier to create an efficient persistence framework which isolates business components from a direct access to relational **databases** . Caution is required, however, as the resulting model is at best only partial, as an object model has dynamic aspects to it as well as static relationships, and may not correctly reflect the analysis performed in the problem domain.

Repository Population
The **repository** population tool is used to load the information from the extraction tool into the development **repository** . These tools convert the information from the legacy 1 0 system into the syntax of the development tools **repository** . The extent of the information loaded into the **repository** is a function of the Information Model of the development tool **repository** . Information that is not represented in the development tool **repository** cannot be loaded into the **repository** .

Restructuring
1 5 Restructuring tools are not analysis tools like the previous categories of reverse engineering tools, but design and construction tools. They enable the...

...guarantee their quality. In order to minimize the dependency of the final system on these components (thus reducing the impact of possible changes within the **libraries**), it is recommended that wrappers are

written to enclose any third-party components. This way, if any changes are made to the internals of the...
...to remain unchanged.

Frameworks may be found on the market which provide generic components for general business processes such as general ledger, sales order processing, **inventory**
149
management or product distribution. For example, IBM San Francisco offers business
components for the Java environment (see Error! Bookmark not defined.)
Product Considerations
a...

...customization relies on proprietary toolkits.

Construction (134)
Construction tools are used to program or build the application: client and server source code, windows, reports, and **database** . Along with the onset of Visual Programming, the more traditional form of construction tools have been superceded by Integrated Development Environments (IDEs) which take allGeneration, **Repository** Access etc.) can be integrated. It is necessary to plan time for this upfront. It should not be left to the developers to do this...

27/5,K/45 (Item 19 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00743116 **Image available**
NETWORK-BASED SYSTEM FOR THE MANUFACTURE OF PARTS IN A VIRTUAL COLLABORATIVE ENVIRONMENT
SYSTEME EN RESEAU POUR LA FABRICATION DE PRODUITS AU SEIN D'UN ENVIRONNEMENT COOPERATIF VIRTUEL
Patent Applicant/Assignee:
EAGLE ENGINEERING OF AMERICA INC, Suite 300, 2000 Powers Ferry Road, Marietta, GA 30067, US, US (Residence), US (Nationality)
Inventor(s):
THACKSTON James D, 3350 George Busbee Parkway NW, Kennesaw, GA 30144, US,

Legal Representative:
SCHREINER Stephen T (et al) (agent), Hunton & Williams, 1900 K Street, N.W., Washington, DC 20006, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200055705 A2-A3 20000921 (WO 0055705)
Application: WO 2000US6109 20000310 (PCT/WO US0006109)
Priority Application: US 99270007 19990316; US 99311150 19990513; US 99410619 19991001
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: **G06F-015/00**
International Patent Class: **G06F-015/163 ; G06F-017/50**
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 33844

English Abstract
The invention relates generally to a comprehensive, integrated

computer-based system and method for undertaking an engineering design and development effort in a virtual collaborative environment (100), composed of prime contractors (220) and suppliers (230) interconnected with a central server (200) via networks (260). The system identifies qualified fabricators for manufacturing a part design based on fabricator capability information stored in a global registry database (210) substantially maintained by the suppliers (230) themselves. The central server (200) conducts a virtual bidding process between the prime contractors (220) and the suppliers (230) using electronic representations of three dimensional model and specification data maintained in the database (210). The central server (200) further supports the bidding process by providing quasi-real time audio, video and graphics, and the contracts negotiation and formalizatin steps.

French Abstract

Cette invention concerne de facon generale un systeme et un procede informatique integre global permettant de deployer des efforts de conception et de developpement de produits au sein d'un environnement cooperatif virtuel, d'identifier des fabricants qualifies pour la realisation du produit a partir d'informations sur leurs capacites de fabrication qui sont stockees dans un base de donnees d'enregistrement geree pour l'essentiel par les fabricants eux-memes, et lancer un processus d'appel d'offres avec representations electroniques de modeles en trois dimensions et de donnees techniques fournies par un serveur central. Ce serveur intervient egalement au cours du processus d'appel d'offres en fournissant, pratiquement en temps reel, des donnees audio, video et graphiques ainsi que dans la negociations de contrats et dans les etapes de formalisation.

Legal Status (Type, Date, Text)

Publication	20000921	A2 Without international search report and to be republished upon receipt of that report.
Examination	20010426	Request for preliminary examination prior to end of 19th month from priority date
Search Rpt	20010525	Late publication of international search report
Republication	20010525	A3 With international search report.
Search Rpt	20010525	Late publication of international search report
Correction	20020711	Corrected version of Pamphlet: pages 1/29-29/29, drawings, replaced by new pages 1/29-29/29; due to late transmittal by the receiving Office
Republication	20020711	A3 With international search report.

Main International Patent Class: **G06F-015/00**
International Patent Class: **G06F-015/163** ...

... **G06F-017/50**
Fulltext Availability:
Detailed Description
Detailed Description
... Figure 8, module 860).

Other PDM processing modules 11 18 refers to any other PDM processing modules for managing the data in a concurrent engineering **development** project.

Computer Aided Design (CAD) Processing
At the outset, it should be appreciated that CAD processing module 932 may be used by design and analysis team members...

...three dimensional solid model file or the like. CAD processing module 932 may also be linked to the second aspect of the overall system (GMR **database** searching for qualified fabricators) insofar it provides a means to create
and/or upload models for a part design that will be analyzed using the...
?

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File   8:Ei Compendex(R) 1970-2003/May W4
         (c) 2003 Elsevier Eng.  Info. Inc.
File  35:Dissertation Abs Online 1861-2003/May
         (c) 2003 ProQuest Info&Learning
File 202:Info. Sci. & Tech. Abs. 1966-2003/May 14
         (c) Information Today, Inc
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         (c) 2003 ProQuest Info&Learning
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File 144:Pascal 1973-2003/May W4
         (c) 2003 INIST/CNRS
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File  34:SciSearch(R) Cited Ref Sci 1990-2003/May W4
         (c) 2003 Inst for Sci Info
File  99:Wilson Appl. Sci & Tech Abs 1983-2003/Apr
         (c) 2003 The HW Wilson Co.
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File 266:FEDRIP 2003/Apr
         Comp & dist by NTIS, Intl Copyright All Rights Res
File  95:TEME-Technology & Management 1989-2003/May W3
         (c) 2003 FIZ TECHNIK
File 438:Library Lit. & Info. Science 1984-2003/Apr
         (c) 2003 The HW Wilson Co
? ds

Set     Items   Description
S1    3763491   COMPUTER OR PC OR WORKSTATION OR WORK()STATION OR COMPUTIN-
              G()(DEVICE OR SYSTEM)
S2     143463   (DESIGN??? OR DEVELOP? OR CREAT? OR PRODUCTION? ? OR PRODU-
              CING OR PRODUCE OR BUILD? OR CONSTRUCT? OR ASSEMBL? OR FABRIC-
              AT? OR MANUFACTURE OR CONFIGUR?)(2W)S1
S3      24920   FIRMWARE OR FIRM()WARE OR EMBEDDED()(CHIP? ? OR MICROCHIP?
              ? OR PART? ? OR ELEMENT? ? OR MODULE? ? OR HARDWARE OR SOFTWA-
              RE OR SYSTEM? ? OR PROCESSOR? ? OR MICROPROCESSOR? ?)
S4    2310909   BIOS OR CMOS OR CHIP? ? OR CHIPSET? ? OR MICROCHIP? ? OR R-
              OM? ? OR PROM? ? OR EPROM? ? OR EEPROM? ? OR SEMICONDUCT??? OR
               SEMI(W)CONDUCT??? OR IC OR ASIC
S5    1416037   DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR LIBRAR??? -
              OR KNOWLEDGE(1W)BASE OR INVENTORY
S6      14883   S5(5N)(COMPONENTS OR SUBCOMPONENTS OR PARTS OR PIECES OR M-
              ODULES OR ASSEMBLIES OR SUBASSEMBLIES)
S7        496   S2 AND S6
S8         37   S3:S4 AND S7
S9         33   RD (unique items)
S10        28   S9 NOT PY=2000:2003
S11     12397   (COMPUTER OR PC)(3N)(PARTS OR COMPONENTS)
S12       211   S5(5N)S11
S13        24   S2 AND S12
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S14         22   RD (unique items)
S15       1934   (COMPUTER OR PC)()(PARTS OR COMPONENTS)
S16         21   S5(5N)S15
S17         17   RD (unique items)
S18      11577   S5(5N)S3:S4
S19        214   S2 AND S18
S20        185   RD (unique items)
S21        168   S20 NOT PY=2000:2003
S22    3088182   MANUFACTURER? ? OR DEVELOPER? ? OR ENGINEER?
S23         52   S21 AND S22
S24        116   S21 NOT S23
S25          3   S24 AND S3
S26        113   (COMPUTER OR PC) AND S24
S27          8   S26 AND (PARTS OR COMPONENTS)
S28         10   S26 AND (HIERARCH? OR TREE)
S29      60792   (DESIGN??? OR BUILD? OR CONSTRUCT? OR ASSEMBL? OR MANUFACT-
              URE)(1W)S1
S30       6349   S29 AND S5
S31        407   S30 AND S3:S4
S32         49   S31 AND (PARTS OR COMPONENTS)
S33         45   RD (unique items)
```

10/5/2 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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04957074 E.I. No: EIP97083800732
Title: Hardware/software communication and system integration for embedded architectures
Author: Vercauteren, Steven; Lin, Bill
Corporate Source: IMEC, Leuven, Belgium
Source: Design Automation for Embedded Systems v 2 n 3-4 May 1997. p 359-382
Publication Year: 1997
CODEN: DAESFC ISSN: 0929-5585
Language: English
Document Type: JA; (Journal Article) Treatment: A; (Applications); G; (General Review)
Journal Announcement: 9804W5
Abstract: **Embedded system** architectures comprising of software programmable components (e.g. DSP, ASIP, and micro-controller cores) and customized hardware co-processors, integrated into a single cost-efficient VLSI **chip** , are emerging as a key solution to today's microelectronics design problems. This trend is being driven by new emerging applications in the areas of wireless communication, high-speed optical networking, and multimedia computing, fueled by increasing levels of integration. These applications are often subject to stringent requirements in terms of processing performance, power dissipation, and flexibility. A key problem confronted by **embedded system** designers today is the rapid prototyping of an application-specific **embedded system** architecture where different combinations of programmable processor **components** , **library** hardware **components** , and customized hardware **components** must be integrated together, while ensuring that the hardware and software parts communicate correctly. Designers often spend an enormous time on this highly error proned task. In this paper, we present a solution to this embedded architecture co-synthesis and system integration problem based on an orchestrated combination of architectural strategies, parameterized libraries, and software CAD tools. (Author abstract) 30 Refs.
Descriptors: Computer architecture; Computer systems programming; Program processors; VLSI circuits; Rapid prototyping; Computer aided **design** ; **Computer** aided software engineering; Interfaces (computer); Data transfer
Identifiers: Application specific **embedded system** architecture
Classification Codes:
723.1 (Computer Programming); 714.2 (Semiconductor Devices & Integrated Circuits); 723.5 (Computer Applications); 722.2 (Computer Peripheral Equipment)
723 (Computer Software); 722 (Computer Hardware); 714 (Electronic Components)
72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS)

10/5/5 (Item 5 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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04390271 E.I. No: EIP96043154594
Title: LPMs cut cost of high level design
Author: Carlstedt-Duke, Tom
Corporate Source: Intergraph Electronics
Source: Electronic Product Design v 16 n 10 Oct 1995. 5pp
Publication Year: 1995
CODEN: EPDEDB ISSN: 0263-1474

Language: English
Document Type: JA; (Journal Article) Treatment: A; (Applications)
Journal Announcement: 9606W4
Abstract: Top-down design flows using LPMs offers a low cost, low risk means for companies to migrate to higher levels of design, thereby gaining the productivity benefits of shorter design cycles and more competitive purchasing capabilities for suitable FPGA/ **ASIC** silicon without the high level of tool investment and training normally associated with top-down methodologies.
Descriptors: Computer aided logic **design** ; **Computer** hardware description languages; Design aids; Integrated circuit layout; Application specific integrated circuits; Computer simulation; Logic gates; Printed circuit boards; Database systems; Cost effectiveness
Identifiers: **Library** of parameterisable **modules** ; High level design; Field programmable gate arrays; Logic synthesis; Graphical entry methods
Classification Codes:
723.1.1 (Computer Programming Languages)
723.5 (Computer Applications); 721.2 (Logic Elements); 723.1 (Computer Programming); 714.2 (Semiconductor Devices & Integrated Circuits); 723.3 (Database Systems); 722.4 (Digital Computers & Systems)
723 (Computer Software); 721 (Computer Circuits & Logic Elements); 714 (Electronic Components); 722 (Computer Hardware)
72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS)

10/5/10 (Item 10 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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03305039 E.I. Monthly No: EIM9109-046321
Title: CAFE--The MIT Computer Aided Fabrication Environment.
Author: McIlrath, Michael B.; Troxel, Donald E.; Boning, Duane S.; Heytens, Michael L.; Penfield, Paul Jr.; Jayavant, Rajeev
Corporate Source: Dept of Electr Eng & Comput Sci, MIT, Cambridge, MA, USA
Conference Title: Ninth IEEE/CHMT International Electronics Manufacturing Technology Symposium
Conference Location: Washington, DC, USA Conference Date: 19901001
Sponsor: IEEE Components, Hybrids, and Manufacturing Technology Soc
E.I. Conference No.: 14942
Source: 1990 Proceedings, IEEE/CHMT Ninth International Electronic Manufacturing Technology Symposium Ninth IEEE CHMT Int Electron Manuf Technol Symp. Publ by IEEE, IEEE Service Center, Piscataway, NJ, USA (IEEE cat n 90CH2864-7). p 297-305
Publication Year: 1990
Language: English
Document Type: PA; (Conference Paper) Treatment: A; (Applications); X; (Experimental)
Journal Announcement: 9109
Abstract: The computer-aided fabrication environment (CAFE) is a software system being developed at MIT for use in the manufacture of integrated-circuits. CAFE is intended to be used in all phases of process design, development, planning, and manufacturing of integrated-circuit wafers. The CAFE architectural framework supports a wide variety of software modules, including both development tools and online applications. The key components of the CAFE architecture are the data model and database schema, the process flow and wafer representations, the user interface, and the application programming and **database** interfaces. All CAFE application **modules** store and retrieve persistent data through a common database interface layer. Interface wrappers provide seamless, transparent integration of external tools and packages which have their own internal

data formats. 10 Refs.
Descriptors: INTEGRATED CIRCUIT MANUFACTURE--*Computer Applications; COMPUTER AIDED **DESIGN** ; **COMPUTER** AIDED MANUFACTURING
Identifiers: COMPUTER AIDED FABRICATION; **IC** WAFFERS; SOFTWARE; CAD CAM
Classification Codes:
713 (Electronic Circuits); 723 (Computer Software)
71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING)

10/5/12 (Item 12 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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02620925 E.I. Monthly No: EI8808074257
Title: DESIGN AND IMPLEMENTATION OF A MODULE LIBRARY TO SUPPORT THE STRUCTURAL SYNTHESIS.
Author: Kaiser, F.; Stok, L.; van den Born, R.
Corporate Source: Eindhoven Univ of Technology, Eindhoven, Neth
Source: EUT Report - Eindhoven University of Technology, Department of Electrical Engineering 88-E-187 Jan 1988 53p
Publication Year: 1988
CODEN: EREEDU
Language: English
Document Type: RR; (Report Review) Treatment: T; (Theoretical)
Journal Announcement: 8808
Abstract: A project concerned with the development of a high level circuit synthesis tool or a silicon compiler is reported. Such a silicon compiler is developed to provide a highly automated design of VLSI circuits. The silicon compiler and more specific the module library is designed in Common Lisp. The editor EMACS, that is used, was particularly built for Lisp applications and software development. A special dialect of Common Lisp, HotLisp, is available on the HP system, while Common Lisp is available at the Apollo system. The design and implementation of the module **library** is split up into several **parts** which are discussed. A system overview is given of the silicon compiler and its composing elements. A functional analysis of the module library is made, and the requirements are determined. Objects, data structures and interfaces are discussed. 24 refs.
Descriptors: INTEGRATED CIRCUITS, VLSI--*Computer Aided **Design** ; **COMPUTER** OPERATING SYSTEMS--Program Compilers; COMPUTER PROGRAMMING LANGUAGES--LISP; **SEMICONDUCTING** SILICON
Identifiers: SILICON COMPILER; AUTOMATED DESIGN; MODULE LIBRARY; COMMON LISP; EDITOR EMACS
Classification Codes:
713 (Electronic Circuits); 723 (Computer Software); 722 (Computer Hardware); 714 (Electronic Components)
71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING)

14/5/5 (Item 5 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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03851003 E.I. No: EIP93071034084
Title: Remove the paper, save the time
Author: Mills, Robert
Corporate Source: Computer-Aided Engineering, Cleveland, OH, USA
Source: CAE, Computer-Aided Engineering v 12 n 5 May 1993. p 60-61
Publication Year: 1993
CODEN: CCAEDJ ISSN: 0733-3536
Language: English
Document Type: JA; (Journal Article) Treatment: A; (Applications); X; (Experimental)
Journal Announcement: 9406W3
Abstract: An innovative engineering of high-quality ball bearings is reported. An integrated design and manufacturing process was implemented. The system's single database structure reflects changes in one design element across the entire model.
Descriptors: Bearings (machine **parts**); **Computer** aided **design** ; **Computer** aided manufacturing; Computer aided engineering; **Database** systems
Identifiers: CAD/CAM integration
Classification Codes:
601.2 (Machine Components); 723.5 (Computer Applications); 723.3 (Database Systems)
601 (Mechanical Design); 723 (Computer Software)
60 (MECHANICAL ENGINEERING); 72 (COMPUTERS & DATA PROCESSING)

14/5/7 (Item 7 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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03514659 E.I. Monthly No: EIM9211-058537
Title: Knowledge-based configuration **of** computer **systems using hierarchical partial choice.**
Author: Kramer, Bryan M.
Corporate Source: Xerox Canada Inc, Canada
Conference Title: Third International Conference on Tools for Artificial Intelligence
Conference Location: San Jose, CA, USA Conference Date: 19911105
Sponsor: IEEE Computer Soc, Los Alamitos, CA, USA; ACM; IBM; Univ of Illinois at Urbana, Urbana-Champaign, IL, USA; Univ of Minnesota, MN, USA
E.I. Conference No.: 17023
Source: Third Int Conf Tools Artif Intell. Publ by IEEE, IEEE Service Center, Piscataway, NJ, USA (IEEE cat n 92CH3054-4). p 368-375
Publication Year: 1992
ISBN: 0-8186-2300-4
Language: English
Document Type: PA; (Conference Paper) Treatment: T; (Theoretical); A; (Applications)
Journal Announcement: 9211
Abstract: A novel inference scheme is introduced which is called hierarchical partial choice and which efficiently generates configurations from a **knowledge base** of structural descriptions of **computer components** . This approach combines the acquisition and maintenance advantages (over rule-based systems) of a declarative system with an inference scheme that efficiently generates solutions, often with little backtracking. The inference scheme is presented in the context of XKEWB, a

shell for **building computer** configuration expert systems. The system contains several improvements over its predecessor Cossack. 10 Refs.
Descriptors: *EXPERT SYSTEMS--*Knowledge Bases; COMPUTER SYSTEMS, DIGITAL
Identifiers: KNOWLEDGE-BASED SYSTEMS; COMPUTER SYSTEMS CONFIGURATION
Classification Codes:
723 (Computer Software); 722 (Computer Hardware)
72 (COMPUTERS & DATA PROCESSING)

14/5/8 (Item 8 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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03081188 E.I. Monthly No: EIM9106-029146
Title: M1: A small computer system synthesis tool.
Author: Gupta, Anurag P.; Siewiorek, Daniel P.
Corporate Source: Electr & Comput Eng Dept, Carnegie Mellon Univ, Pittsburgh, PA, USA
Conference Title: Proceedings of the 6th Conference on Artificial Intelligence Applications
Conference Location: Santa Barbara, CA, USA Conference Date: 19900305
Sponsor: IEEE Computer Soc
E.I. Conference No.: 14588
Source: Proceedings of the Conference on Artificial Intelligence Applications. Publ by IEEE, IEEE Service Center, Piscataway, NJ, USA (IEEE cat n 90CH2842-3). p 230-236
Publication Year: 1990
CODEN: PCAAEF
Language: English
Document Type: PA; (Conference Paper) Treatment: T; (Theoretical); X; (Experimental)
Journal Announcement: 9106
Abstract: A particular instance of system-level synthesis, designing small computers using off-the-shelf components, is discussed. M1 is the synthesis tool in Micon, an integrated collection of tools for rapid prototyping of small **computer** systems. M1 uses **components** in a **library** to build a design that satisfies high-level specifications. Input to M1 consists of requirements on functionality (pocessor name and speed, amount of memory, and number of serial ports) and constraints (maximum board area and power dissipation). Output from M1 consists of a complete list of parts and a netlist indicating interconnections between the parts. M1 uses a knowledge-based approach to design with a unique architecture that is based on a general and flexible hierarchical design model and supports automated knowledge acquisition. M1 has been successfully used to generate several designs based on four microprocessor families; knowledge for these designs was acquired by an automated knowledge acquisition tool. 13 Refs.
Descriptors: COMPUTERS, DIGITAL--*Computer Aided **Design** ; **COMPUTER** SOFTWARE; COMPUTERS, MICROCOMPUTER
Identifiers: SYSTEM LEVEL SYNTHESIS; MICON TOOLS; RAPID PROTOTYPING
Classification Codes:
723 (Computer Software); 722 (Computer Hardware)
72 (COMPUTERS & DATA PROCESSING)

14/5/9 (Item 9 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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02531426 E.I. Monthly No: EI8803025549
Title: CAD Standard Parts. Database to Facilitate Design Work.
Title: CAD-NORMALIEN-DATEI ZUR ERLEICHTERUNG DER KONSTRUKTIONSARBEIT.

Author: Englert, H.
Source: F & M; Feinwerktechnik & Messtechnik v 95 n 6 Sep-Oct 1987 p CA92, CA97-CA98
Publication Year: 1987
CODEN: FEMEDO ISSN: 0340-1952
Language: German
Document Type: JA; (Journal Article) Treatment: A; (Applications)
Journal Announcement: 8803
Abstract: A CAD standard parts database is presented. It is based on the structuring according to groups of items of similar types of objects (object feature and function system according to DIN 4000). Once CAD standard parts programs and libraries are set up, they can be used on more than 80% of all the CAD systems with the aid of the pastprocessors. (Translated author abstract) In German.
Descriptors: MECHANICAL ENGINEERING--*Computer Aided Design; **DATABASE** SYSTEMS; STANDARDS; MACHINE **DESIGN** ; MACHINE **COMPO**NENTS ; **COMPUTER** SOFTWARE
Identifiers: STANDARD PARTS DATABASE
Classification Codes:
608 (Mechanical Engineering, General); 723 (Computer Software); 601 (Mechanical Design); 902 (Engineering Graphics & Standards)
60 (MECHANICAL ENGINEERING); 72 (COMPUTERS & DATA PROCESSING); 90 (GENERAL ENGINEERING)

14/5/10 (Item 10 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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02210875 E.I. Monthly No: EI8706061760
Title: WAY TO CONSTRUCT **CAD NODAL** PC LIBRARY COMPONENTS .
Author: Adams, Ira
Source: Printed Circuit Des v 4 n 3 Mar 1987 p 34-35, 38-41
Publication Year: 1987
CODEN: PCIDEU ISSN: 0884-9862
Language: ENGLISH
Document Type: JA; (Journal Article) Treatment: A; (Applications); T; (Theoretical); X; (Experimental)
Journal Announcement: 8706
Abstract: The article introduces a method of **constructing** CAD Nodal **PC** Library based on the Computervision CADDS3 designer model. PCB file layering structure is considered in detail with the number of layers stored in the library exceeding 200.
Descriptors: PRINTED CIRCUITS--*Components; COMPUTER AIDED **DESIGN** ; **COMPUTER** SOFTWARE
Identifiers: NODAL PC LIBRARY; CONNECT NODE; COMPUTER VISION CADDS3; DESIGNER MODEL; TEXT NODE
Classification Codes:
713 (Electronic Circuits); 723 (Computer Software); 703 (Electric Circuits)
71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING); 70 (ELECTRICAL ENGINEERING)
?

33/5/4 (Item 4 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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04957074 E.I. No: EIP97083800732
Title: Hardware/software communication and system integration for embedded architectures
Author: Vercauteren, Steven; Lin, Bill
Corporate Source: IMEC, Leuven, Belgium
Source: Design Automation for Embedded Systems v 2 n 3-4 May 1997. p 359-382
Publication Year: 1997
CODEN: DAESFC ISSN: 0929-5585
Language: English
Document Type: JA; (Journal Article) Treatment: A; (Applications); G; (General Review)
Journal Announcement: 9804W5
Abstract: **Embedded system** architectures comprising of software programmable **components** (e.g. DSP, ASIP, and micro-controller cores) and customized hardware co-processors, integrated into a single cost-efficient VLSI **chip** , are emerging as a key solution to today's microelectronics design problems. This trend is being driven by new emerging applications in the areas of wireless communication, high-speed optical networking, and multimedia computing, fueled by increasing levels of integration. These applications are often subject to stringent requirements in terms of processing performance, power dissipation, and flexibility. A key problem confronted by **embedded system** designers today is the rapid prototyping of an application-specific **embedded system** architecture where different combinations of programmable processor **components** , **library** hardware **components** , and customized hardware **components** must be integrated together, while ensuring that the hardware and software **parts** communicate correctly. Designers often spend an enormous time on this highly error proned task. In this paper, we present a solution to this embedded architecture co-synthesis and system integration problem based on an orchestrated combination of architectural strategies, parameterized **libraries** , and software CAD tools. (Author abstract) 30 Refs.
Descriptors: Computer architecture; Computer systems programming; Program processors; VLSI circuits; Rapid prototyping; Computer aided **design** ; **Computer** aided software engineering; Interfaces (computer); Data transfer
Identifiers: Application specific **embedded system** architecture
Classification Codes:
723.1 (Computer Programming); 714.2 (Semiconductor Devices & Integrated Circuits); 723.5 (Computer Applications); 722.2 (Computer Peripheral Equipment)
723 (Computer Software); 722 (Computer Hardware); 714 (Electronic Components)
72 (COMPUTERS & DATA PROCESSING); 71 (ELECTRONICS & COMMUNICATIONS)

33/5/8 (Item 8 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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03824523 E.I. No: EIP94031243827
Title: Integrated engineering design and manufacturing
Author: Thomas, Merle Jr.; VanCamp, Jerry D.
Conference Title: Proceedings of the APICS 35th International Conference and Exhibition

Conference Location: Montreal, QUE, Can Conference Date: 19921018-19921023
E.I. Conference No.: 19940
Source: Challenging Traditional Thinking Annual International Conference Proceedings - American Production and Inventory Control Society 1992. Publ by APICS, Falls Church, VA, USA. p 319-324
Publication Year: 1992
CODEN: AICSEO
Language: English
Document Type: CA; (Conference Article) Treatment: G; (General Review); T; (Theoretical)
Journal Announcement: 9405W1
Abstract: Disclosed in this case study for a make-to-order manufacturer, the Airolite Company, is a CAD engineered, structural and strength analysis integrated with production planning. Employed is a Finite Element Analysis in CAD applied stresses to measure strain to minimize component cost. An optimized **parts** list is downloaded and post processed to form a costed, fully structured BOM for P and **IC** use. 14 Refs.
Descriptors: Computer integrated manufacturing; Computer aided **design** ; **Computer** aided manufacturing; Finite element method; Strategic planning; Production control; Purchasing; **Inventory** control; Computer aided engineering; Strain
Identifiers: Integrated engineering design; Production planning; Ventilator louver; Cube strains
Classification Codes:
913.4.2 (Computer Aided Manufacturing)
913.4 (Manufacturing); 723.5 (Computer Applications); 921.6 (Numerical Methods); 913.2 (Production Control); 911.3 (Inventory Control)
913 (Production Planning & Control); 723 (Computer Software); 921 (Applied Mathematics); 911 (Industrial Economics)
91 (ENGINEERING MANAGEMENT); 72 (COMPUTERS & DATA PROCESSING); 92 (ENGINEERING MATHEMATICS)

33/5/18 (Item 18 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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02972092 E.I. Monthly No: EIM9010-043447
Title: Manufacturing systems architecture.
Author: Prendergast, James P.
Corporate Source: Intel Corp, Chandler, AZ, USA
Conference Title: Semiconductor Manufacturing Conference
Conference Location: Phoenix, AZ, USA Conference Date: 19891114
E.I. Conference No.: 13424
Source: SME Technical Paper (Series) MS. Publ by SME, Dearborn, MI, USA. var paging 783
Publication Year: 1989
CODEN: TPSSDL ISSN: 0161-6382
Language: English
Document Type: PA; (Conference Paper) Treatment: G; (General Review); T ; (Theoretical)
Journal Announcement: 9010
Abstract: **Semiconductor** manufacturing, due to the complexity of the manufacturing process, is very data-intensive. These data drive the business, and the effective and efficient use of data is part of the foundation for building a competitive edge. This paper describes the computing architecture that has been developed and is being implemented at Intel. It begins with a global approach to architecture and then focuses on the **components** necessary from the equipment to the mainframe. These

components are categorized in the form of Standards, Application Development Methodology, Communication, Controls and Applications. These **components** are tied together in a manner that shows how integration can be achieved. (Author abstract)
Descriptors: **SEMICONDUCTOR** DEVICE MANUFACTURE--*Computer Aided Manufacturing; COMPUTER ARCHITECTURE-- **Design** ; **COMPUTER NETWORKS** --Local Networks; PROCESS CONTROL; **DATABASE** SYSTEMS--Management
Identifiers: COMPUTER-AIDED **SEMICONDUCTOR** MANUFACTURING; MANUFACTURING SYSTEMS ARCHITECTURE; COMPUTER NETWORK ARCHITECTURE
Classification Codes:
714 (Electronic Components); 723 (Computer Software); 722 (Computer Hardware); 731 (Automatic Control Principles)
71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING); 73 (CONTROL ENGINEERING)

33/5/19 (Item 19 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)
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02819857 E.I. Monthly No: EIM8911-039855
Title: Framework for the synthesis of hardware from OCCAM.
Author: Dowsing, R.; Elliott, R.; Templeton, M.; Williams, G.; Woodhams, F.
Corporate Source: Univ of East Anglia, Norwich, Engl
Conference Title: Fifteenth EUROMICRO Symposium on Microprocessing and Microprogramming - (EUROMICRO 89)
Conference Location: Cologne, West Ger Conference Date: 19890904
E.I. Conference No.: 12577
Source: Microprocessing and Microprogramming v 27 n 1-5 Aug 1989. p 373-379
Publication Year: 1989
CODEN: MMICDT ISSN: 0165-6074
Language: English
Document Type: JA; (Journal Article) Treatment: T; (Theoretical)
Journal Announcement: 8911
Abstract: Part of the task of designing VLSI **ASIC** **components** is the transformation of a high level behavioural description of the required circuit to a lower level structural description for implementation via a set of standard tools and **libraries** . This paper describes a framework for the synthesis of structural descriptions in the ELLA hardware description language from behavioural descriptions in occam. (Author abstract) 17 Refs.
Descriptors: INTEGRATED CIRCUITS, VLSI--*Computer Aided **Design** ; **COMPUTER** HARDWARE DESCRIPTION LANGUAGES--Synthesis
Identifiers: OCCAM LANGUAGE; VLSI **ASIC** **COMPONENTS** ; ELLA HARDWARE DESCRIPTION LANGUAGE
Classification Codes:
713 (Electronic Circuits); 714 (Electronic Components); 722 (Computer Hardware); 723 (Computer Software)
71 (ELECTRONICS & COMMUNICATIONS); 72 (COMPUTERS & DATA PROCESSING)

33/5/36 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC
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03400890 INSPEC Abstract Number: C89044180
Title: Designing **a** workstation **for information seekers**
Author(s): Micco, M.; Smith, I.
Author Affiliation: Dept. of Comput. Sci., Indiana Univ. of Pennsylvania,

PA, USA
Journal: Reference Librarian no.23 p.135-52
Publication Date: 1989 Country of Publication: USA
CODEN: RELBD6 ISSN: 0276-3877
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: The goal of the research project is to explore the use of new technologies in providing more sophisticated delivery systems for information services in situations where the services of skilled reference librarians are not available. The authors are working on developing an advanced function workstation equipped with a CD- **ROM** jukebox of reference books and vocabulary control tools on laser disks with keyword access. The user interface will include an expert system to guide users in selecting the types of material best suited to their needs. It will also provide guidance in developing the best search strategy by mapping the terms selected by the users to the more controlled vocabularies of the **databases** . Searches that are too broad and yield too much material will be narrowed. Conversely, searches that are too specific will be broadened. The system will also be designed to connect to a full service integrated **library** network also enabling the user to access the online card catalog, check circulation and do interlibrary loans. In developing this system the authors will be taking advantage of many new technologies including the advanced function workstations, expert systems **components** , hypertext and optical disk storage. (12 Refs)
Subfile: C
Descriptors: bibliographic systems; CD- **ROMs** ; expert systems; hypermedia ; information retrieval; information storage; **library** automation; user interfaces; workstations
Identifiers: information seekers; delivery systems; information services; reference librarians; advanced function workstation; CD- **ROM** jukebox; reference books; vocabulary control tools; laser disks; keyword access; user interface; expert system; search strategy; **library** network; hypertext
Class Codes: C7250C (Bibliographic systems); C7210L (Library automation); C6170 (Expert systems)
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File 275:Gale Group Computer DB(TM) 1983-2003/Jun 03
         (c) 2003 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Jun 02
         (c) 2003 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2003/May 30
         (c) 2003 The Gale Group
File  16:Gale Group PROMT(R) 1990-2003/Jun 03
         (c) 2003 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
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         (c)2003 The Gale Group
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         (c) 2003 McGraw-Hill Co. Inc
File  15:ABI/Inform(R) 1971-2003/Jun 03
         (c) 2003 ProQuest Info&Learning
File 647:CMP  Computer Fulltext 1988-2003/May W2
         (c) 2003 CMP Media, LLC
File 674:Computer News Fulltext 1989-2003/Jun W1
         (c) 2003 IDG Communications
File 696:DIALOG Telecom. Newsletters 1995-2003/Jun 02
         (c) 2003 The Dialog Corp.
File 369:New Scientist 1994-2003/May W4
         (c) 2003 Reed Business Information Ltd.
File 112:UBM Industry News 1998-2003/Jun 03
         (c) 2003 United Business Media
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 610:Business Wire 1999-2003/May 31
         (c) 2003 Business Wire.
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File 613:PR Newswire 1999-2003/May 30
         (c) 2003 PR Newswire Association Inc
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Set     Items   Description
S1    6516002   COMPUTER OR PC OR WORKSTATION OR WORK()STATION OR COMPUTIN-
             G()(DEVICE OR SYSTEM)
S2     215203   (DESIGN??? OR DEVELOP? OR CREAT? OR PRODUCTION? ? OR PRODU-
             CING OR PRODUCE OR BUILD? OR CONSTRUCT? OR ASSEMBL? OR FABRIC-
             AT? OR MANUFACTURE OR CONFIGUR?)(2W)S1
S3     124102   FIRMWARE OR FIRM()WARE OR EMBEDDED()(CHIP? ? OR MICROCHIP?
             ? OR PART? ? OR ELEMENT? ? OR MODULE? ? OR HARDWARE OR SOFTWA-
             RE OR SYSTEM? ? OR PROCESSOR? ? OR MICROPROCESSOR? ?)
S4    2329504   BIOS OR CMOS OR CHIP? ? OR CHIPSET? ? OR MICROCHIP? ? OR R-
             OM? ? OR PROM? ? OR EPROM? ? OR EEPROM? ? OR SEMICONDUCT??? OR
              SEMI(W)CONDUCT??? OR IC OR ASIC
S5    3512383   DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR LIBRAR??? -
             OR KNOWLEDGE(1W)BASE OR INVENTORY
S6      69635   S5(5N)(COMPONENTS OR SUBCOMPONENTS OR PARTS OR PIECES OR M-
             ODULES OR ASSEMBLIES OR SUBASSEMBLIES)
S7        281   S2(S)S6
S8         16   S2(S)S6(S)S3:S4
S9         11   RD (unique items)
S10     14334   (COMPUTER OR PC)()(PARTS OR COMPONENTS)
S11       146   S5(5N)S10
S12        96   RD (unique items)
S13        79   S12 NOT PY=2000:2003
S14      2290   S3(S)(S4 OR HARDWARE)(S)S5
S15      1394   S5(10N)S3(10N)(S4 OR HARDWARE)
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S16          44   S6(10N)S3(10N)(S4 OR HARDWARE)
S17          20   RD (unique items)
S18       41617   (DESIGN??? OR BUILD? OR CONSTRUCT? OR ASSEMBL? OR MANUFACT-
             URE)(1W)(PC OR COMPUTER)
S19         147   S18(S)S5(S)S3:S4
S20         112   RD (unique items)
S21          97   S20 NOT (PD>19990927 OR S9 OR S13 OR S17)
S22          62   S21 NOT COMPUTER()(AIDED OR ASSISTED)
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13/9/7 **(Item 7 from file: 275)**
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01696964 SUPPLIER NUMBER: 16195244 (THIS IS THE FULL TEXT)
PC makers lay DMTF foundation: IS not likely to benefit from standard until late next year. (Desktop Management Task Force's database **of standard file formats for** PC components **)**
DiCarlo, Lisa
PC Week, v11, n32, p35(2)
August 15, 1994
ISSN: 0740-1604 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 611 LINE COUNT: 00048

ABSTRACT: The Desktop Management Task Force (DMTF), a consortium of 12 major software and hardware vendors, has created a **database** of standardized file formats for **PC components** . The **database** contains standard Management Information Format (MIF) files for over 200 **PC parts** . The DMTF hopes that the **database** will enable network administrators to ensure that their system components meet minimum requirements. DMTF officials report that the database can also be used by administrators to check serial numbers and upgrade software from a central server. Unfortunately, administrators will need the Desktop Management Interface (DMI) to use the new database. DMI is currently being beta tested and software development kits are not expected to ship until Sep 1994. This means that DMI-compliant PCs may not hit the market until late 1994 or early 1995. AST Research, NEC Technologies and HP are among the vendors committed to delivering PCs that support the new standard.

TEXT:

Asset management of desktop PCs should become an easier task following the completion of an eight-month effort to devise a **database** of standard file formats for **PC components** .

But whether this database, devised by the DMTF (Desktop Management Task Force), will benefit IS managers before next year remains to be seen. To use it, network administrators will need DMI (Desktop Management Interface), which is not expected to begin showing up on PC systems until later this year.

The DMTF was formed in 1992 to help midsized and large companies manage desktop PCs and related products. The group, composed of 12 major hardware and software vendors, hopes it has achieved this with its database, which includes standard MIF (Management Information Format) files for more than 200 specific PC components.

Since system components are defined in the MIF database, network administrators will be able to access the database to make sure that system components meet minimum requirements. They can also check serial numbers, identify problems, and upgrade software without manually checking each user's PC.

"With the proliferation of desktops, control is becoming more important," said Arnold Howard, senior PC LAN analyst at John Hancock Financial Services, in Boston. "The MIF will give us insight into our inventory and exactly what we have in the enterprise."

The MIFs provide a format for hardware and software to communicate their status to management systems running on a server through DMI. DMI is protocol-independent, so users who have standardized on transports such as SNMP or TCP/IP will have no trouble implementing it, DMTF officials said.

DMI, now in beta test, is expected to ship to vendors as a developers' kit by early September. Several vendors, including AST Research Inc. and Hewlett-Packard Co., have already announced high-end desktop products that will support the standard. NEC Technologies Inc. will also

support the standard on its 90MHz Pentium Image P90, due by the end of September, said Mike Everett, desktop manager of the Boxboro, Mass., company. Other vendors, such as Compaq Computer Corp., are expected to follow suit (see chart , Page 35).

Although support for DMI has been widespread across the vendor and user community, analysts say it will be a slow road to mainstream adoption.

"It will take awhile to penetrate, given buying cycles and vendor implementation," said David Strom, president of David Strom Inc., in Port Washington, N.Y.

Strom predicts that only 10 percent of desktops in the enterprise will be DMI-enabled by the end of 1995. And for the installed base, retrofitting PCs with the MIF database will be a time-consuming process, with about 250 fields of data to input.

The DMI standard, although generally well-received, may also present companies with new security concerns. Having all their technology information in a public database may create an opportunity for theft.

The DMI standard, for now, applies only to Intel-compatible PCs. Apple Computer Inc. has declined to be part of the DMTF.

Meanwhile, some users expressed concern that vendors have been the only members of the DMTF. The group has begun to form user groups for feedback on the spec, but some critics say users should have had a voice from the outset.

"Right now, I don't care because I'm not using it, but when [DMI] is out, I might say, they should have done this or that," said Glen Farrell, LAN systems coordinator at Firestone Textile Co., in Woodstock, Ontario.

The DMTF is located in Hillsboro, Ore. It can be reached at (503) 696-9300.

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SPECIAL FEATURES: illustration; table
DESCRIPTORS: Desktop Management Task Force; Network architecture; Open Systems; Interoperability; Standard; Software Maintenance; Application Installation/Distribution Software; Consortium
FILE SEGMENT: CD File 275

13/9/40 (Item 9 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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03188157 Supplier Number: 44363757 (THIS IS THE FULLTEXT)
Distributor to launch online buying service
Computer Retail Week, p12
Jan 17, 1994
ISSN: 1066-7598
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 392
TEXT:
By GABRIELLE MITCHELL

PEABODY, MASS. - New England Circuit Sales, a distributor based here, is expected to jump into the retail market this month with an online service that offers more than 20,000 hardware and software products for purchase to users, business and corporations.

New England Circuit Sales established The DeskTop Channel as a new division to address computer product sales in what the company sees as a growing market segment: customers who want to buy products from their computers when it's convenient for them.

'Our aim is to market product to the audience who really are believers that this is the way things are heading, and that (online is) a much more convenient way to buy products,' said Brian Marley, director of marketing

for New England Circuit Sales.

The DeskTop Channel requires a proprietary communication software product called The Key that includes a toll-free number to dial into The DeskTop Channel.

New users not only get the software, but they also get a freebie keyboard wrist rest.

Users can purchase any one of the more than 20,000 products that are listed on The DeskTop Channel with Visa, MasterCard or American Express. Although users can purchase products over the phone, The DeskTop Channel will offer a percentage discount on products purchased directly through the service.

Included in The DeskTop Channel's stable of popular vendors are Microsoft Corp., WordPerfect Corp., Borland International Inc., NEC Technologies Inc., Panasonic, U.S. Robotics and Epson America.

'Our thrust is to become a true one-stop shopping service,' Marley said. In addition to the standard diet of business applications, productivity software and hardware, The DeskTop Channel will feature an assortment of entertainment and educational software titles that round out its offerings.

Eventually, The DeskTop Channel will build interactive marketing into the product while early advertisements will be still product shots.

New England Circuit Sales expects its 1993 sales to be about $150 million, up from $72 million in the previous year. The 14-year-old company has been a distributor and reseller of components to open-market companies.

New England Circuit Sales established PartFind/PartSell, a **database** of more than 200 million **computer components** from 10,000 suppliers. Marley said New England Circuit Sales and The DeskTop Channel plan to utilize the experience from PartFind/PartSell to control the information access and distribution of products provided on The DeskTop Channel.

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PUBLISHER NAME: CMP Publications, Inc.
COMPANY NAMES: *New England Circuit Sales
EVENT NAMES: *360 (Services information); 240 (Marketing procedures)
GEOGRAPHIC NAMES: *1USA (United States)
PRODUCT NAMES: *4811500 (Specialized Telecommunication Services); 5081000 (Business & Commercial Eqp Whsle)
INDUSTRY NAMES: BUSN (Any type of business); CMPT (Computers and Office Automation); RETL (Retailing)
NAICS CODES: 51331 (Wired Telecommunications Carriers); 4214 (Professional and Commercial Equipment and Supplies Wholesalers)
SPECIAL FEATURES: LOB; COMPANY

13/9/44 (Item 13 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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01473037 Supplier Number: 41781477 (THIS IS THE FULLTEXT)
Spare-parts firm PC Parts Express makes debut
Computer Reseller News, p10
Jan 7, 1991
ISSN: 0893-8377
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 469
TEXT:
BY JACK SWEENEY: Carrollton, Texas

A joint investment by CompuCom Systems Inc. and Safeguard Scientifics Inc. has helped launch PC Parts Express, a company focusing exclusively on the distribution of microcomputer spare parts.

The new company's customers will include microcomputer dealers, third-party service centers and major users of microcomputers who have their own maintenance department.

AST Research Inc. last week became the first vendor to sign a distribution agreement with the company, and PC Parts Express' president, Mark Hilz, said it is negotiating with other manufacturers as well.

"Anytime you're the first to do something, there is no existing path to show (vendors) the way; IBM and Compaq are not necessarily part of our plan, but they would be welcome additions," Hilz said.

Launched formally this month, PC Parts Express already has a roster of 500 customers that it recruited during a preliminary market research phase, he added.

"Concerns in the microcomputer industry about the problems and costs of obtaining and managing spare parts have reached a breaking point," Hilz said. "Companies in all fields are more dependent than ever before on microcomputers, and they simply cannot afford downtime waiting for replacement parts."

Indeed, the spare-parts market appears promising. Maintenance and repairs of microcomputers cost users $2.2 billion in 1988, and the expenses will rise to $4.8 billion by 1991, according to a recent report by Future Computing. The report also predicts that 84 percent of the installed microcomputer systems in 1993 will be "at risk" for repair beyond warranty.

The formation of PC Parts follows the activities of a number of industry players, including a parts task force formed by ABCD: The Microcomputer Industry Association and spareparts buy-back programs instituted by Compaq Computer Corp. and Apple Computer Inc.

The fact that CompuCom has taken an active role in funding a spare-parts company now makes visible the channel's own push for better parts **inventory** and support measures, **PC Parts** management said. The relationship with CompuCom, however, may not please all those dealers being targeted as customers by the new company.

"This is a sensitive issue because we wouldn't want to scare away any potential reseller customers who see CompuCom as a threat," Hilz said. On the other hand, it remains to be seen whether the joint investment will mean any conflicts of interest for Safeguard, which is also a major investor of CompuCom.

Hilz said, "In the future, if PC Parts and its investors feel CompuCom is a deterrent to its business, there is a plan to (transfer) the reseller's ownership (of PC Parts) to Safeguard."

PC Parts ' strategy is to handle the **inventory** management of spare parts for customers and deliver parts to them on an as-needed basis. In this way, customers are not saddled with the costs and resource allocations of spare-parts inventory, Hiltz said.

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PUBLISHER NAME: CMP Publications, Inc.
COMPANY NAMES: *AST Research Inc.; PC Part Express
EVENT NAMES: *380 (Strategic alliances)
GEOGRAPHIC NAMES: *1USA (United States)
PRODUCT NAMES: *3573000 (Computers & Peripherals)
INDUSTRY NAMES: BUSN (Any type of business); CMPT (Computers and Office Automation)
NAICS CODES: 334111 (Electronic Computer Manufacturing)
TICKER SYMBOLS: ASTA
SPECIAL FEATURES: LOB; COMPANY
?

13/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02243727 SUPPLIER NUMBER: 53229703
The new face of artificial intelligence.(Company Business and Marketing)
Lyons, Daniel
Forbes, 172(1)
Nov 30, 1998
ISSN: 0015-6914 LANGUAGE: English RECORD TYPE: Abstract

...ABSTRACT: technology allows customers to chose the features they want, from speed to hard drive space. PcORder.com's web site allows customers to view a **database** of over 600,000 **computer parts** from over 1,000 manufacturers to see stock availability and price. In addition, software from pcOrder allows manufacturers to set up Web sites and take...

13/3,K/2 (Item 2 from file: 275)
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02190327 SUPPLIER NUMBER: 20803297 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Hardware.(Buyers Guide)
UNIX Review's Performance Computing, v16, n7, p39(13)
June 15, 1998
DOCUMENT TYPE: Buyers Guide LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3943 LINE COUNT: 00357

... Inc. NS7000 NetServer (NS7000/700, NS7000/250, NS7000/150)
ECCS Inc. Synchronection
EMC Corp. EMC Celerra File Server
NSM Jukebox Mercury Net
Sony Electronics Inc. 1Computer Components and Peripherals Group Desktop **Library** Fyla OSL Series (Magneto-Optical and WORM)
PORTABLE SYSTEMS
RDI Computer Corp. PowerLite Portable SPARC and Sun Workstations PrecisionBook Portable HP-UX Workstation UltraBook Portable...

13/3,K/3 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02120175 SUPPLIER NUMBER: 20003079
Asian crisis has mixed impact on the channel. (stock market downturns) (Industry Trend or Event)
Hersch, Warren S.
Computer Reseller News, n762, p53(2)
Nov 10, 1997
ISSN: 0893-8377 LANGUAGE: English RECORD TYPE: Abstract

...ABSTRACT: to 40% against the US dollar. The situation could spark acquisition efforts in the area. It is also expected to result in lower prices for **computer components** , partly because of current high **inv**entory levels. Prices for VGA cards and motherboards manufactured in Taiwan have already been reduced. Products from China, Australia and Japan are not expected to be...

13/3,K/4 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02099669 SUPPLIER NUMBER: 19751185
Caught in the undertow: the life and death of inquiry.com serves as a warning to other start-ups thinking of sailing solo on the Net. (Company Financial Information)
Herhold, Scott
San Jose Mercury News, p1C(2)
Sep 13, 1997
ISSN: 0747-2099 LANGUAGE: English RECORD TYPE: Abstract

...ABSTRACT: provided a reference site at www.inquiry.com for company officials in the market to buy software or computer equipment. Targeted at buyers of costly **computer parts** and **databases** who were very familiar with technology, the site offered a list of articles and reviews on a number of products and an interactive function that...

13/3,K/5 (Item 5 from file: 275)
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02082260 SUPPLIER NUMBER: 19595895 (USE FORMAT 7 OR 9 FOR FULL TEXT)
COMPAQ TAKES DIRECT ACTION TO COMPETE WITH DELL.
Computergram International, n3201, pCGN07110008
July 11, 1997
ISSN: 0268-716X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1211 LINE COUNT: 00095

... the finished order directly to the customer within a week or two. By having what Michael Dell calls 'real-time demand', Dell can keep its **inventory** of **PC components** at levels unthinkably low for companies with 'build-to-stock' or 'build to forecast' business models. Such a model sets the output level of any...

13/3,K/6 (Item 6 from file: 275)
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01950803 SUPPLIER NUMBER: 18381428 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Seagate's DMS sports big hits, minor misses. (Seagate Enterprise Management Software Inc's Seagate Desktop Management Suite) (includes related article on testing methodology) (PC Week Netweek) (Software Review) (Evaluation)
Phillips, Ken
PC Week, v13, n23, pN1(3)
June 10, 1996
DOCUMENT TYPE: Evaluation ISSN: 0740-1604 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2571 LINE COUNT: 00213

... created an inventory disk for us, with which we captured the vitals on any PC outside the LAN.

We attempted to fool WinLAND by removing **PC components** after **inventory** , but the change-detection feature spotted the missing items at the next user log-in. While the culprit may be long gone by then, such...

13/3,K/7 (Item 7 from file: 275)
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01696964 SUPPLIER NUMBER: 16195244 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PC makers lay DMTF foundation: IS not likely to benefit from standard until late next year. (Desktop Management Task Force's database **of standard file formats for** PC components **)**
DiCarlo, Lisa
PC Week, v11, n32, p35(2)
August 15, 1994
ISSN: 0740-1604 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 611 LINE COUNT: 00048

PC makers lay DMTF foundation: IS not likely to benefit from standard until late next year. (Desktop Management Task Force's database **of standard file formats for** PC components **)**

ABSTRACT: The Desktop Management Task Force (DMTF), a consortium of 12 major software and hardware vendors, has created a **database** of standardized file formats for **PC components** . The **database** contains standard Management Information Format (MIF) files for over 200 **PC parts** . The DMTF hopes that the **database** will enable network administrators to ensure that their system components meet minimum requirements. DMTF officials report that the database can also be used by administrators...

TEXT:
Asset management of desktop PCs should become an easier task following the completion of an eight-month effort to devise a **database** of standard file formats for **PC components** .

13/3,K/8 (Item 8 from file: 275)
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01602150 SUPPLIER NUMBER: 13914769 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Online service helps shoppers find and buy computer parts. (Computer Parts Connection) (Brief Article)
O'Brien, Jim
Computer Shopper, v13, n7, p62(1)
July, 1993
DOCUMENT TYPE: Brief Article ISSN: 0886-0556 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 225 LINE COUNT: 00017

TRADE NAMES: **Computer Parts** Connection (Online **database**)--

13/3,K/9 (Item 9 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01430243 SUPPLIER NUMBER: 10683813 (USE FORMAT 7 OR 9 FOR FULL TEXT)
New & improved.
Cordova, Cristina; Zelnick, Nate
PC Magazine, v10, n10, p55(4)
May 28, 1991

ISSN: 0888-8507 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2028 LINE COUNT: 00193

... WindowView, $195. Requires:
Windows 3.0. Atlantix Corp., 4800 N.
Federal Hwy., #301-B, Boca Raton, FL
33431; 800-262-6526,407-362-9700.
LAN **inventory** System Tracks **PC** **Components**
NEW
Designed to give network managers complete control over their LAN assets, Brightwork's LAN Automatic Inventory (LAI) automatically builds and maintains a database of...

13/3,K/10 (Item 10 from file: 275)
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01367989 SUPPLIER NUMBER: 08714900 (USE FORMAT 7 OR 9 FOR FULL TEXT)
DELETE: out with the old. (structured query language)(Hands-on SQL) (tutorial)
Sayles, Jonathan S.
Data Based Advisor, v8, n6, p40(4)
June, 1990
DOCUMENT TYPE: tutorial ISSN: 0740-5200 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1050 LINE COUNT: 00118

... make sure you capture the correct set of rows before deleting them.
Let's start a series of DELETE operations against the tables in the **PC** **Parts** **database** and see what happens.
A first walk-through
Before we start taking pot shots with DELETE, your targets are the Suppliers and Shipments tables:
The...

13/3,K/11 (Item 11 from file: 275)
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01357947 SUPPLIER NUMBER: 08380784 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Maintaining your values, part 1. (Hands-on SQL) (structured query language) (includes related article on maintaining data integrity) (technical) (tutorial)
Sayles, Jonathan S.
Data Based Advisor, v8, n5, p50(4)
May, 1990
DOCUMENT TYPE: tutorial ISSN: 0740-5200 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1417 LINE COUNT: 00113

... This will give us a stationary target to shoot at. If you're doing these exercises with live data, be sure to back up the **PC** **Parts** **database** so you can reset your rows to their starting values.
Adding rows
Let's begin by taking a step back and looking at the "big...
CAPTIONS: Inserting rows into tables using a load utility. (table); The **PC** **parts** **database** tables. (table)

13/3,K/12 (Item 12 from file: 275)
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01354510 SUPPLIER NUMBER: 08293110 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Subqueries, part 4. (Hands-on SQL) (technical)
Sayles, Jonathan S.
Data Based Advisor, v8, n4, p46(3)
April, 1990
DOCUMENT TYPE: technical ISSN: 0740-5200 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1387 LINE COUNT: 00106

... SELECT * FROM PARTS P WHERE NOT EXISTS (SELECT * FROM SHIPMENTS SH WHERE SH.SUPPNO = S.SUPPNO AND SH.PARTNO = P.PARTNO))
Running this against the **PC Parts database** gives us the value, "BARTOK." After a brief inspection of the table rows, you should see that BARTOK's supplier number (1) has shipments outstanding...

13/3,K/13 (Item 13 from file: 275)
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01321257 SUPPLIER NUMBER: 08222287 (USE FORMAT 7 OR 9 FOR FULL TEXT)
All in a row. (Hands-on SQL)(products that offer functions permitting the manipulation of values at the row level without writing code, also includes a related article on the strengths of Oracle's SQL language) (column)
Sayles, Jonathan S.
Data Based Advisor, v7, n12, p36(5)
Dec, 1989
DOCUMENT TYPE: column ISSN: 0740-5200 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1328 LINE COUNT: 00117

TEXT:
...this month's topic, row functions, let's go over the problems I left you with last month. (You can verify my results against the **PC Parts database** in the June issue.
... Listing 2 may not make the overwhelming importance of the SUBSTR function apparent. And, due to the relatively limited scope of the data in the **PC Parts database** , many of the examples in this article will only show the syntax and use of the row function. The value of row functions is in...

13/3,K/14 (Item 14 from file: 275)
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01321025 SUPPLIER NUMBER: 08023886 (USE FORMAT 7 OR 9 FOR FULL TEXT)
SQL statistical processing. (structured query language) (tutorial)
Sayles, Jonathan S.
Data Based Advisor, v7, n11, p42(4)
Nov, 1989
DOCUMENT TYPE: tutorial ISSN: 0740-5200 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1839 LINE COUNT: 00145

... QTY), COUNT(*) 2 FROM SUPPLIERS SP, SHIPMENTS SH 3 WHERE SP.SUPNO = SH.SUPPNO 4 GROUP BY CITY;

Removing summary rows--HAVING

In our microscopic **PC Parts database** , we can see at a glance all the information we ask for in our queries and get in our results tables. There's really no...

13/3,K/15 (Item 15 from file: 275)

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01320821 SUPPLIER NUMBER: 07877756 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Across tables. (Hands-On SQL; how to use table joins; includes related article on Oracle's outer join; structured query language) (column)
Sayles, Jonathan S.
Data Based Advisor, v7, n10, p54(5)
Oct, 1989
DOCUMENT TYPE: column ISSN: 0740-5200 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1375 LINE COUNT: 00105

... these products (use LIKE).

SELECT PROJNAME FROM PROJECTS WHERE PROJNAME LIKE '%ALPHA%' OR PROJNAME LIKE '%BETA%'

If you want to build a copy of the **PC Parts database** (to run these and other examples used in this series), you'll find the commands to create it in the July 1989 issue of Data...

...Each of these tables, or models, depicts one "real world" entity--some thing or event you want to store data about. An example is our **PC Parts database** , which has four tables:

Parts--describing the specific part information.
Suppliers--describing our suppliers.
Shipments--listing individual shipments of parts from suppliers.
Projects--describing our...

13/3,K/16 (Item 16 from file: 275)

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01319638 SUPPLIER NUMBER: 07687326 (USE FORMAT 7 OR 9 FOR FULL TEXT)
SELECTed Ways. (Hands-on SQL)(steps to quickly extract specific information with the basic SQL SELECT statement; Structured Query Language) (column)
Sayles, Jonathan S.
Data Based Advisor, v7, n9, p28(3)
Sept, 1989
DOCUMENT TYPE: column ISSN: 0740-5200 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1443 LINE COUNT: 00106

... list.

* LIKE--Allows you to retrieve rows containing values that "resemble" a partial search string.

For this month's lesson, refer once again to the **PC Parts database** from the August issue. (The SQL statements to create and load the **PC Parts database** are available on the monthly Program Disk for August and the Data Based Advisor Readers Exchange bulletin board

system--(619) 270-2042.)
Now, before we...

...names begin with a letter higher than the letter "M."
You can check your answers (along with all the examples in this article) against the **PC Parts database** in Fig. 1.
Now, on to the subjects of this month's column.
BETWEEN
The BETWEEN operator lets you retrieve the rows WHERE the columns...

13/3,K/17 (Item 17 from file: 275)
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01309816 SUPPLIER NUMBER: 07486474 (USE FORMAT 7 OR 9 FOR FULL TEXT)
SELECTed basics. (Second in a series) (Hands-on SQL) (column)
Sayles, Jonathan S.
Data Based Advisor, v7, n8, p37(4)
August, 1989
DOCUMENT TYPE: column ISSN: 0740-5200 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1549 LINE COUNT: 00120

...ABSTRACT: the sorting of data in the results table. Details of the use of the operations in the creation of a results table from a parent **PC parts database** are described.
In the July issue of Data Based Advisor we defined and loaded our **PC Parts database** (see Fig. 1) with SQL CREATE and INSERT statements. (If you'd like to build a copy of the **PC Parts database** used in this series, you can get it on the July Program Disk or from the Data Based Advisor Readers Exchange, (619) 270-2042.) This...

13/3,K/18 (Item 18 from file: 275)
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01305528 SUPPLIER NUMBER: 07426272 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Database basics: hands-on SQL. (includes related article on SQL insight: referential integrity. Part two of a series)
Sayles, Jonathan S.
Data Based Advisor, v7, n7, p40(6)
July, 1989
ISSN: 0740-5200 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2168 LINE COUNT: 00164

... as the industry standard for relational database management systems. We'll take a look at SQL concepts and language structures with executable examples using a **PC parts database** . To run these examples you'll need access to an SQL-compatible relational DBMS product (see the accompanying article for a partial list of products...

...execute successfully, and you should get the same results as I do.
How to build a relational database in less
than an hour
If our **PC Parts database** were built using a traditional file, hierarchical, or network database, I could easily write six or seven articles on how to define the beast. Not...so you shouldn't have much trouble entering and executing your SQL statements.

Fig. 4 lists the data definition statements you need to build the **PC Parts database** . If you're using dBASE IV, Sybase, or Ingres, leave out the NOT NULL specifier--these systems don't allow nulls. And remember to check...

...among others) don't support NULLs in the version of the product you may have, so I've chosen not to use NULLs in the **PC Parts database** . When would you use NULLs? Let's say you're INSERTing a row for a new hire in a payroll table, and you don't...

...successfully created your table and typed it in correctly. Fig. 6 lists the SQL INSERT statements you'll run to load the tables in the **PC PARTS database** with the sample rows we'll use throughout this series.

You can delete a relational database in seconds

To delete tables, SQL provides the DROP...

...like this: DROP TABLE PARTS;

At this point, you only want to use DROP TABLE if you incorrectly defined one of the tables in the **PC Parts database** .

Altering tables

For added flexibility, most SQL-based DBMSs provide an alternative to DROPping and reCREATEing tables. ALTER TABLE lets you add columns to an... your DBMS allows NULLs). Because of this, you can't specify an added column as NOT NULL.

Once you build the four tables for the **PC Parts database** , you're ready to extract information and produce reports using the SQL SELECT statements we'll cover next month.

Jonathan Sayles is Director of Educational...

13/3,K/19 (Item 19 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01301623 SUPPLIER NUMBER: 07321200 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Shirtsleeve SQL. (beginning instruction in Structured Query Language) (Hands-on SQL) (column)
Sayles, Jonathan S.
Data Based Advisor, v7, n6, p35(4)
June, 1989
DOCUMENT TYPE: column ISSN: 0740-5200 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1727 LINE COUNT: 00141

...ABSTRACT: IBM's OS-2 Database Manager language standard. Basic terms and concepts required for understanding RDBMSs are defined. SQL capabilities and drawbacks are elucidated. A **PC parts database** , the case study used in the series, is introduced.
... reports you have to purchase separate report writing products (such as IBM's QMF, Oracle's SQL*Report, Ingres/Report-Writer, and so on).

The **PC parts database**

Our case study for this series centers around a **PC parts database** . The **database** and its selected information is shown in Figs. 2 and 3.

Fig. 2 outlines the database, showing the tables it contains. The table and column...

...information contained in all four tables.

What's ahead?

Next month we'll continue the series by explaining how to define your copy of the **PC parts database** . In following months, we'll look at queries--how to use SELECT, BETWEEN, IN, and LIKE; joining tables; SQL functions and summery information; subqueries; correlated...

13/3,K/20 (Item 20 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01289265 SUPPLIER NUMBER: 07134070 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Mail-order firm sued for securities violations. (Computer Components Corp)
March, Richard
PC Week, v6, n11, p69(1)
March 20, 1989
ISSN: 0740-1604 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 514 LINE COUNT: 00042

...ABSTRACT: charged in a lawsuit filed against Computer Components Corp by investment banks F.N. Wolf & Co and D.H. Blair & Co. The suit alleges that **Computer Components** ' management deliberately overstated **inventory** and accounts-receivable figures to encourage investor purchase and inflate stock price. Defendants include the estate of James Neal, Computer Components' founder and chairman until...
... process of hiring a lawyer. R. Kelly Neal and Hilliard were unavailable.
At a bankruptcy hearing two months ago, however, Hilliard testified he had overstated **Computer Components** ' fiscal 1988 **inventory** figure of $3.1 million and accounts-receivable figure of $2.5 million in an SEC filing. ''It was the most startling testimony I've...

13/3,K/21 (Item 21 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01152956 SUPPLIER NUMBER: 00594467 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Wyse Technologies Watches, Learns from TeleVideo.
Strehlo, K.
PC Week, v2, n5, p101
Feb. 5, 1985
ISSN: 0740-1604 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 757 LINE COUNT: 00059

... first, and sank. Chairman K. Philip Hwang attributed a fourth-quarter loss of approximately $8 million to overstaffing in the PC division and an excess **inventory** of **PC parts** .
"TeleVideo lost its way,' said John Dougherty, whom TeleVideo hired to take over marketing for its PC systems division. "Clearly, you can't beat IBM...

13/3,K/22 (Item 22 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01152660 SUPPLIER NUMBER: 00593974 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Graphics That Dress for Success.
Alesandrini, K.
PC Magazine, v4, n1, p164-169

Jan. 8, 1985
DOCUMENT TYPE: evaluaton ISSN: 0888-8507 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2055 LINE COUNT: 00165

... added feature of this package is that, like Execuvision, it also provides prerendered drawings for you to use in creating your presentations. The six picture **libraries** contain **PC components** , U.S. maps, world geography, borders, fonts, and faces.

For those who do program, HyperGraphics is a full-service graphics package that you can tailor...

13/3,K/23 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

02166957 Supplier Number: 55702478 (USE FORMAT 7 FOR FULLTEXT)
New York Power Authority Completes Successful Y2K Tests.
Business Wire, p1414
Sept 9, 1999
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 249

... trained in their responsibilities and were required to respond to any unusual conditions simulated during the drill.

The drill also tested results of a comprehensive **inventory** to identify and modify **computer components** and applications that might be affected by the Y2K problem, a concern that computers won't recognize the correct date beginning in the year 2000...

13/3,K/24 (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01667017 Supplier Number: 50113194 (USE FORMAT 7 FOR FULLTEXT)
Cerplex Launches Service Parts Ordering Network; PartSmart Network Consolidates and Stratifies Demands for Service Parts.
Business Wire, p6241110
June 24, 1998
Language: English Record Type: Fulltext
Article Type: Article
Document Type: Newswire; Trade
Word Count: 513

... PartSmart Network suppliers are certified through strict quality standards. Suppliers list inventory that is already stocked on the shelf and ready to be shipped. Current **inventory** is over 82,000 discreet **computer parts** and exceeds $1 billion.

Suppliers provide daily or more frequent inventory updates of pricing and quantities on hand. Cerplex offers a minimum 90-day warranty...

13/3,K/25 (Item 3 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01518696 Supplier Number: 47299208 (USE FORMAT 7 FOR FULLTEXT)

Sony's new 100-disc CD-ROM jukebox turns a stack of CD-ROMS into a Desktop Library; The wealth of information on CD-ROMs can be easily organized, managed and retrieved.
Business Wire, p04150228
April 15, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 583

... of computer users who rely on CD-ROM discs to do their job," said Les Inanchy, product manager of integrated storage products for Sony Electronics' **Computer Components** and Peripherals Group. "The Desktop **Library** CD-ROM jukebox is a breakthrough product for users who have outgrown their five-disc changer because it is an affordable way to manage their...

13/3,K/26 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

03807815 Supplier Number: 48258363 (USE FORMAT 7 FOR FULLTEXT)
American Companies in Japan: COMPUTERS AND PERIPHERALS
Japan-U.S. Business Report, v1998, n340, pN/A
Jan 31, 1998
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 2013

... machines, which are guaranteed to be operable, are available at the Compmart stores for $770 to $1,100-plus.
With the goal of cutting its **PC parts inventory** costs by at least two-thirds, IBM JAPAN LTD. built a centralized distribution facility in Fujisawa, Kanagawa prefecture. All the company's component suppliers now ...

13/3,K/27 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

03699581 Supplier Number: 47983372 (USE FORMAT 7 FOR FULLTEXT)
IBM: IBM integrates next generation PC supply chain management & tech, services & financing initiatives
M2 Presswire, pN/A
Sept 16, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1740

... detects system intrusion and monitor processor temperature, fan speed and system voltage
-- Enhanced Asset Information Area, a DMI-compliant chip that enables real-time electronic **inventory** of desktop **computer components**
-- New chassis designs on selected Desktop models for simplified upgrades and service
-- Remote Tamper Alerts built into IBM PC Desktops that can be monitored by...

13/3,K/28 (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

03634961 Supplier Number: 47828035 (USE FORMAT 7 FOR FULLTEXT)
COMPAQ TAKES DIRECT ACTION TO COMPETE WITH DELL
MacIver, Kenny
Computergram International, n3201, pN/A
July 11, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1124

... the finished order directly to the customer within a week or two. By having what Michael Dell calls 'real-time demand', Dell can keep its **inventory** of **PC components** at levels unthinkably low for companies with 'build-to-stock' or 'build to forecast' business models. Such a model sets the output level of any...

13/3,K/29 (Item 4 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

03586298 Supplier Number: 47428241 (USE FORMAT 7 FOR FULLTEXT)
DIRECT ACTION
Computer Business Review, v5, n6, pN/A
June 1, 1997
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 2488

... SUCCESS FACTOR?
But price is by no means the critical success factor. By having what Michael Dell calls 'real-time demand', Dell can keep its **inventory** of **PC components** at levels unthinkably low for companies with 'build-to-stock' or 'build to forecast' business models. Such a model sets the output level of any...

13/3,K/30 (Item 5 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

02144259 Supplier Number: 44007410 (USE FORMAT 7 FOR FULLTEXT)
MACHINE AND PLANT FLOOR NEWS: LITTON INDUSTRIAL AUTOMATION CAPITALIZES ON GLOBAL OPPORTUNITIES
Manufacturing Automation, v2, n>11, pN/A
August, 1993
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 2277

... providing buffer inventory of stamped body parts between stamping processes, production lines, and receiving docks in the automotive industry; and supporting manufacturing operations and maintaining **inventory** control in the electronics/ **computer components** industry. The group's Miniload AS/RS (automated storage and retrieval system) is designed for automated storage and handling of high-turnover, small parts; and...

13/3,K/31 (Item 6 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01073924 Supplier Number: 40669616 (USE FORMAT 7 FOR FULLTEXT)
OCLC Installs First CD-ROM Cataloging System
Optical Information Systems Update, v8, n2, pN/A
Feb 1, 1989
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 279

... million cataloging records on four compact discs and more than two million Library of Congress Name and Subject Authority records on three compact discs. The **library** also acquired several **computer** components from OCLC to run the new system, including two Hitachi compact disc drives.
The Glenn Ellyn Public Library was one of seven libraries chosen by...

13/3,K/32 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

06426965 Supplier Number: 54947853 (USE FORMAT 7 FOR FULLTEXT)
Cover your assets; A key to cutting total cost of ownership is to integrate tools, policies and procedures in a comprehensive asset-management plan. (IT asset management) (Industry Trend or Event)
Essex, David
Computerworld, p92(1)
June 21, 1999
Language: English Record Type: Fulltext Abstract
Document Type: Magazine/Journal; Tabloid; Trade
Word Count: 2728

... Inc. is now installing parts of Tivoli's TME10 software for the help desk, software distribution, general inventory and management. Additional modules for identification and **inventory** of **PC components** and remote control of its PCs will be installed in the fall.
Lease orders are still paper-based, with users getting forms from DiPaolo that...

13/3,K/33 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

05774382 Supplier Number: 50262504
Stay Online to open new store at Greensboro's Airpark East.
Seccombe, Jane
Greensboro News & Record (NC), pB5
August 3, 1998
Language: English Record Type: Abstract
Article Type: Article
Document Type: Newspaper; Trade

ABSTRACT:
...parts outlet in Greensboro, N.C. on August 15, 1998, which would be the third branch in the state. The company has over 4,000 **computer parts** in its **inventory** , most of these being hard-to-find items. Stay Online owner

Jim Higgins indicated that the store can provide parts for building a computer rather...

13/3,K/34 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05321233 Supplier Number: 48100041 (USE FORMAT 7 FOR FULLTEXT)
Recalibration is necessary
Boucher, Charles
Electronic Buyers' News, p016
Nov 3, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 418

... prices have continued to drop rapidly despite historic bit growth rates. Price competition is tougher in the microprocessor market than it has ever been. Excess **inventory** in various **PC components** has been a chronic problem this year. Lead times have remained very short for most device segments.
The basic problem is one we have stated...

13/3,K/35 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04848636 Supplier Number: 47132954 (USE FORMAT 7 FOR FULLTEXT)
Tailored Sales: Signature Plus 4.0 helps salespeople customize pitches for customers
Stein, Tom
InformationWeek, p065
Feb 17, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 288

... These aren't just pretty pictures. They explain complex issues and show what the product will do for the customer."
The software also includes a **library** of images, such as **computer parts** , that salespeople can use to spice up their presentations. Pricing for Signature Plus 4.0 ranges from $1,100 to $2,300 per seat.

13/3,K/36 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04400383 Supplier Number: 46455177 (USE FORMAT 7 FOR FULLTEXT)
Seagate's DMS sports big hits, minor misses
PC Week, pN01
June 10, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 2457

... created an inventory disk for us, with which we captured the vitals on any PC outside the LAN.

We attempted to fool WinLAND by removing **PC components** after **inventory** , but the change-detection feature spotted the missing items at the next user log-in. While the culprit may be long gone by then, such...

13/3,K/37 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04346016 Supplier Number: 46373938 (USE FORMAT 7 FOR FULLTEXT)
Web database to net hot chips
Electronics Times, p36
May 9, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 417

... system that can detect stolen parts in networks and report them to an on-line database.
Police have long complained that there is no global **database** of personal computers and **PC parts** which would allow them to track rightful owners of stolen parts. But the new system, called Assetregistry and developed by Canada-based Asset Software International...

13/3,K/38 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

04329154 Supplier Number: 46345750
The Case For E-mail
Nation's Business, v84, n5, p61
May, 1996
Language: English Record Type: Abstract
Document Type: Magazine/Journal; General Trade

ABSTRACT:
...and to exchange messages and files quickly and easily, communicating with clients as well as staff; and Dakco PC Products Div, which markets computers and **computer parts** online and now has a **database** of 10,000 customers and people who have made inquiry and uses the database to send catalogs and special offers, both online and on paper.
...

13/3,K/39 (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04275275 Supplier Number: 46262961 (USE FORMAT 7 FOR FULLTEXT)
Speed Demon
Inc., p034
April, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; General
Word Count: 3037

... better service and reduced costs but also in the ability to jump in and seize unexpected, lucrative new markets. A case in point:
critical-parts **inventory** . Typically, **computer parts** or copier parts

must be in a certain place at a certain time in order for office equipment companies to meet demanding service contracts. IBM...

13/3,K/40 (Item 9 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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03188157 Supplier Number: 44363757 (USE FORMAT 7 FOR FULLTEXT)
Distributor to launch online buying service
Computer Retail Week, p12
Jan 17, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 392

... The 14-year-old company has been a distributor and reseller of components to open-market companies.
New England Circuit Sales established PartFind/PartSell, a **database** of more than 200 million **computer components** from 10,000 suppliers. Marley said New England Circuit Sales and The DeskTop Channel plan to utilize the experience from PartFind/PartSell to control the...

13/3,K/41 (Item 10 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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02939233 Supplier Number: 43974592 (USE FORMAT 7 FOR FULLTEXT)
ACCOUNT ACQUISITIONS: ARIZONA
ADWEEK Western Advertising News, v0, n0, p45
July 19, 1993
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 158

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
Cramer-Krasselt/Phoenix was awarded a pr and corporate communications account for GO-Video, a Scottsdale marketer of electronic equipment. The agency also added National **Inventory** Exchange, a Phoenix-based **computer parts** distributor, and CMD Southwest, Phoenix, a division of Chicago-based CMD Corp., a real estate development company.

13/3,K/42 (Item 11 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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02305746 Supplier Number: 43017064 (USE FORMAT 7 FOR FULLTEXT)
GREENSKEEPERS
Daily News Record, v0, n0, p6
May 25, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; General Trade
Word Count: 519

... ideas on how companies can attempt to change. A patchwork jacket made of excess labels is offered as an example of how to use excess **inventory** . A jacket with discarded **computer parts** used as closures is

another example of how companies can use what is normally thrown away. "There is so much waste of these type of...

13/3,K/43 (Item 12 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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02095814 Supplier Number: 42714072 (USE FORMAT 7 FOR FULLTEXT)
Ex-L-Tube - A big spirit in a small company
Metal Center News, p44
Feb, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1972

... that White estimates the new building will pay for itself in a year. The business office in the original plant was converted to an on-**computer parts - inventory** room, and offices in an adjacent building were handsomely renovated. The quality-assurance laboratory, where yield, tensile strength, elongation and hardness tests are done, occupies...

13/3,K/44 (Item 13 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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01473037 Supplier Number: 41781477 (USE FORMAT 7 FOR FULLTEXT)
Spare-parts firm PC Parts Express makes debut
Computer Reseller News, p10
Jan 7, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 469

... fact that CompuCom has taken an active role in funding a spare-parts company now makes visible the channel's own push for better parts **inventory** and support measures, **PC Parts** management said. The relationship with CompuCom, however, may not please all those dealers being targeted as customers by the new company.
"This is a sensitive...

...its investors feel CompuCom is a deterrent to its business, there is a plan to (transfer) the reseller's ownership (of PC Parts) to Safeguard."
PC Parts ' strategy is to handle the **inventory** management of spare parts for customers and deliver parts to them on an as-needed basis. In this way, customers are not saddled with the...

13/3,K/45 (Item 14 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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01274633 Supplier Number: 41485872
Businessland loss drives investors away
USA Today, p3B
August 7, 1990
Language: English Record Type: Abstract
Document Type: Newspaper; Trade

ABSTRACT:
...the fiscal year ended 6/30/90, despite a 14% increase in revenue to $1.4 bil. Analysts view the company as burdened with outdated **computer parts inventory** and still suffering from its 3/89 dispute with Compaq Computer, which pulled its products off of Businessland shelves until earlier in 1990.
...

13/3,K/46 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
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01371787
Lotus introduces mainframe link to PCs.
ELECTRONIC NEWS July 14, 1986 p. 30

... personal computers. The new Application Connection ties PCs into corporate databases and applications residing on IBM and compatible mainframes The offering consists of mainframe and **PC components** that provide connections between mainframe **databases** , and widely-used PC spreadsheet and database programs, such as Lotus' 1-2-3 and Martin Marietta's Ramis II.
...

13/3,K/47 (Item 2 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
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01104049
Computer News: Franklin Plans to Liquidate; Officials Asked to Resign.
ELECTRONIC NEWS November 5, 1984 p. 20

...will liquidate its assets and cease operations. At the same time, it has asked most of its top management to resign. Franklin will sell its **inventory** , including Ace personal **computer parts** and completed units, and fixed assets to satisfy creditors. The firm has assets of $33.9 million and liabilities totaling $22.8 million.

13/3,K/48 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

10562781 SUPPLIER NUMBER: 21232529 (USE FORMAT 7 OR 9 FOR FULL TEXT)
A Quantum increase in security. (electronic security system at Quantum Corp.'s manufacturing plant in Colorado Springs, Colorado)
Guerrero, Andy
Security Management, v42, n10, p109(3)
Oct, 1998
ISSN: 0145-9406 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2324 LINE COUNT: 00184

TEXT:
...Milpitas, California, is a $5.8 billion company that designs, manufactures, and markets digital storage units such as desktop and high-end disk drives, tape **libraries** , and solid-state disks - **computer components** that are in high demand by small-time thieves and black marketers alike. As such, the company has taken serious steps to protect

its employees...

13/3,K/49 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

10256126 SUPPLIER NUMBER: 20790790 (USE FORMAT 7 OR 9 FOR FULL TEXT)
UPS Worldwide Logistics Moves Latin American Gateway Office; Dallas to Be One of Three Latin American Centers.
Business Wire, p6151503
June 15, 1998
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 385 LINE COUNT: 00038

... and-pack services, transportation management, inventory management, dedicated fleet operations, and customized value-added logistics services such as light assembly and electronics programming. The diverse **inventory** managed includes **computer components** , dairy products, office supplies and emergency parts, ranging from small package to large pallets of freight.
The facility has 40 bay doors (20 with hydraulic...

13/3,K/50 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

10255876 SUPPLIER NUMBER: 20654494 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Managing inventory. (beverage trucks fleets replacement-parts inventory management)
Deierlein, Bob
Beverage World, v117, n1658, p78(2)
May 15, 1998
ISSN: 0098-2318 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1220 LINE COUNT: 00107

... warranty recovery, and from low inventory variance, too."
RELATED ARTICLE: Navistar links customers to computer inventory
Navistar International Transportation Corp. has just introduced a new **computer parts inventory** system that links fleets with Navistar dealers and parts suppliers. Called Diamond Connection, the system can help

13/3,K/51 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

09977041 SUPPLIER NUMBER: 20132349 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Analysts see pluses and minuses ahead in 1998. (part II) (Industry Trend or Event) (Brief Article)
Hersch, Warren S.
Computer Reseller News, n770, p37(2)
Jan 5, 1998
DOCUMENT TYPE: Brief Article ISSN: 0893-8377 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 706 LINE COUNT: 00060

... corporations rebel against the Windows/Intel paradigm that dictates frequent upgrades to equipment?

- Might the channel's move to a build-to-order model disrupt **inventory** stocks?

- Will a surplus of **PC components** lead to a precipitous drop in product prices and, thus, vendor margins?

"There was tremendous over-investment by the disk-drive manufacturers in 1997, and...

13/3,K/52 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

09842571 SUPPLIER NUMBER: 19945356 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Digital Equipment Corporation Selects J.D. Edwards to Streamline Worldwide Customer Service; Digital to Deploy J.D. Edwards OneWorld in 37 Countries to Improve Customer Service Efficiency and Quality.
Business Wire, p11041091
Nov 4, 1997
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 548 LINE COUNT: 00052

With OneWorld deployed on Microsoft Windows NT, Digital will be able to maintain a globally-replicated **database** of logistical information and **computer parts inventory** essential to Digital's repair service.

"Out of the more than 10 ERP (enterprise resource planning) vendors that Digital considered, J.D. Edwards was the...

13/3,K/53 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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09733850 SUPPLIER NUMBER: 19764258 (USE FORMAT 7 OR 9 FOR FULL TEXT)
IBM Integrates Next Generation PC Supply Chain Management and Technology, Services and Financing Initiatives.
Business Wire, p9151254
Sep 15, 1997
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1884 LINE COUNT: 00167

... detects system
intrusion and monitor processor temperature, fan speed and system voltage
-- Enhanced Asset Information Area, a DMI-compliant chip that enables real-time electronic **inventory** of desktop **computer components**
-- New chassis designs on selected Desktop models for simplified upgrades and service
-- Remote Tamper Alerts built into IBM PC Desktops that can be monitored by...

13/3,K/54 (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08884718 SUPPLIER NUMBER: 18468692
What isn't a change in method of accounting?
Gann, Hal I.
Tax Executive, 48, n3, 161-174
May-June, 1996

ISSN: 0040-0025 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 13574 LINE COUNT: 01037

... Proc. 95-38. That does not mean that mischaracterizing a contract under the common law standards for evaluating a contract is a method of accounting.

Inventory or Depreciable Asset?

* Spare **Computer Parts** . In Diebold, Inc. v. United States, 16 Cl. Ct. 193 (1989), aff'd, 891 F.2d 1579 (Fed. Cir. 1989), cert. denied, 498 U.S...

13/3,K/55 (Item 8 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

08685454 SUPPLIER NUMBER: 18295088 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Acer gains steam, recruits MicroAge. (Acer America to sell Acer Open, Entra PCs and components through distributors) (Company Business and Marketing)
Zarley, Craig; Damore, Kelley
Computer Reseller News, n683, p3(2)
May 13, 1996
ISSN: 0893-8377 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 671 LINE COUNT: 00055

...ABSTRACT: be able to sell these systems as their own clones. Analysts report VARs will be able to reduce costs, improve fill rates and efficiently manage **inventory** using Acer's Open **computer parts** . Also, resellers can sell Acer systems at higher profit than other major desktop PCs. Acer's agreement with MicroAge indicates the reseller community will finally...

13/3,K/56 (Item 9 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08664105 SUPPLIER NUMBER: 18244193 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The case for e-mail. (includes related article on electronic mail options for small businesses)(Small Business Computing)
McCollum, Tim
Nation's Business, v84, n5, p61(3)
May, 1996
ISSN: 0028-047X LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2017 LINE COUNT: 00158

... Pittsburgh computer reseller Dakco PC Products Division Inc. has combined e-mail and a World Wide Web site on the Internet to market computers and **computer parts** . Dakco has compiled a **database** of 10,000 customers and people who have inquired about Dakco products through e-mail or by telephone, and it sends catalogs and special product...

13/3,K/57 (Item 10 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

08575951 SUPPLIER NUMBER: 18117542 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Speed demon - there are two kinds of couriers: the quick and the defunct. Baron Messenger was determined to be very, very fast.(Baron Messenger

Service Inc.)(Special Bonus Issue: Technology)(Company Profile)
Macht, Joshua
Inc., v18, n4, p34(4)
March 19, 1996
DOCUMENT TYPE: Company Profile ISSN: 0162-8968 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 3210 LINE COUNT: 00248

... better service and reduced costs but also in the ability to jump in and seize unexpected, lucrative new markets. A case in point: critical-parts **inventory** . Typically, **computer parts** or copier parts must be in a certain place at a certain time in order for office equipment companies to meet demanding service contracts. IBM...

13/3,K/58 (Item 11 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

08098010 SUPPLIER NUMBER: 17232017 (USE FORMAT 7 OR 9 FOR FULL TEXT)
An object lesson in management. (excerpt from 'The Object-Oriented Enterprise')
Mattison, Rob; Sipolt, Michael J.
Datamation, v41, n12, p51(3)
July 1, 1995
ISSN: 1062-8363 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2218 LINE COUNT: 00190

... the support of that environment.
TAKE INVENTORY
To determine what organizational structure makes the most sense, our best starting point will be with a corporate **inventory** of objects and **computer components** . The **inventory** includes hardware, software, network components, contexts, objects, and applications. Each of the things listed within this inventory must have someone responsible for it. Let's...

13/3,K/59 (Item 12 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07481672 SUPPLIER NUMBER: 16170968 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Level5 links rules with custom apps; uses OLE 2.0 API to build open 'servers' of business rules. (Information Builders Inc)(Brief Article) (Product Announcement)
Mace, Scott
InfoWorld, v16, n31, p22(1)
August 1, 1994
DOCUMENT TYPE: Product Announcement ISSN: 0199-6649 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 319 LINE COUNT: 00026

... the Level5 OLE server, said Karl Seiler, Level5 vice president of product development.
For example, a user can run a Level5 client application to order **PC components** from a **database** of parts -- running on any database server -- while a Level5 agent running on the server tallies the order in the background and displays a message...

13/3,K/60 (Item 13 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

05852713 SUPPLIER NUMBER: 12239883 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Can Europe's airports avoid cargo gridlock?
White, Michael
International Business, v5, n4, p22(3)
April, 1992
ISSN: 1060-4073 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1825 LINE COUNT: 00142

... facility located between Amsterdam and Schiphol. And Sperry Corp. maintains an 83,700-square-foot distribution facility near the airport to house a $35 million **inventory** of spare **computer parts** , aerospace guidance systems and farm equipment.
One of the most elaborate distribution centers is the 14,000-square-foot facility run by Bell Helicopter-Textron...

13/3,K/61 (Item 14 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

05486731 SUPPLIER NUMBER: 11469579 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Shipping accuracy begins at receiving. (Sun Microsystems Inc. distribution center)
Forger, Gary
Modern Materials Handling, v46, n12, p42(2)
Oct, 1991
ISSN: 0026-8038 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 788 LINE COUNT: 00063

... the order and prints out a bill of lading. After loading, over-the-road trucks deliver orders to customers throughout the U.S.
PHOTO : Streamlined **inventory** flow at Sun Large **computer components** are stored in manual storage and picked whenever possible as full pallet loads for direct delivery to shipping. Individual large parts are picked from the...

13/3,K/62 (Item 15 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

05113076 SUPPLIER NUMBER: 09832929 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Stepping off the corporate track. (going from employee to employer)
Clarkson, Matthew
BNH (Business of New Hampshire), v8, n1, p25(4)
Jan, 1991
ISSN: 1042-7511 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1919 LINE COUNT: 00143

... read.
After six months he was ready to follow up on his hunch that there was a need in the industry for a multi-brand **computer parts** depot. Without any **inventory** , Barnes placed his first small ad in a magazine found in every repair shop he visited during his research days.
The first order came within...

13/3,K/63 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01605166 02-56155
Navistar links customers to computer inventory
Anonymous
Fleet Equipment v24n3 PP: 44 Mar 1998
ISSN: 0747-2544 JRNL CODE: FEQ
WORD COUNT: 303

ABSTRACT: Navistar International Transportation Corp. recently introduced Diamond Connection, a new **computer parts inventory** system that links tucking companies with Navistar dealers and parts suppliers. The system tracks parts in the fleet's store room and sends information electronically ...
TEXT: Navistar International Transportation Corp. has just introduced a new **computer parts inventory** system that links trucking companies with Navistar dealers and parts suppliers. Called Diamond Connection, the system will help these fleets cut inventory levels, Navistar says...

13/3,K/64 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01532747 01-83735
Surviving the Online craze
Avery, Susan
Industrial Distribution v86n11 PP: 64-66 Nov 1997
ISSN: 0019-8153 JRNL CODE: IND

...ABSTRACT: the flow of physical goods. 2. Enhance the flow of information. 3. Enhance the rate of consumption. 4. Handle the assembly, consolidation, and in-transit **inventory** of **computer components** , delivering custom-configured products made up of multiple suppliers' components to customers. 5. Offer online procurement services. 6. Provide electronic catalogs.

13/3,K/65 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01438435 00-89422
What distributors must do to survive
Avery, Susan
Purchasing v122n10 PP: 51-54 Jun 19, 1997
ISSN: 0033-4448 JRNL CODE: PRG

...ABSTRACT: Enhance the flow of physical goods. 2. Enhance the flow information. 3. Enhance the rate of consumption. 4. Handle the assembly, consolidation, and in-transit **inventory** merging of **computer components** , delivering custom-configured products made up of multiple suppliers' components to customers. 5. Offer online procurement services for customers. 6. Provide electronic catalogs, an information...

13/3,K/66 (Item 4 from file: 15)

DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01179665 98-29060
Speed demon
Macht, Joshua
Inc. v18n4 (Inc. Technology Supplement) PP: 34-38 1996
ISSN: 0162-8968 JRNL CODE: INO
WORD COUNT: 3023

...TEXT: better service and reduced costs but also in the ability to jump in and seize unexpected, lucrative new markets. A case in point: critical-parts **inventory** . Typically, **computer parts** or copier parts must be in a certain place at a certain time in order for office equipment companies to meet demanding service contracts. IBM...

13/3,K/67 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

01076541 97-25935
Clustering strength
Bozman, Jean S
Computerworld v29n32 PP: 14 Aug 7, 1995
ISSN: 0010-4841 JRNL CODE: COW
WORD COUNT: 320

...TEXT: project as well.

"Upsizing from the desktop is going to just totally wipe out downsizing," Bell said last week. He said information systems built from **PC parts** , high-speed networks and distributed **databases** will be cost-effective alternatives to large-scale multiprocessors.

Gray said his team is nearing completion of application interfaces that use X/Open Co.'s...

13/3,K/68 (Item 6 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

00945982 95-95374
Lending to high-tech companies
Love, Robert V
Secured Lender v50n6 PP: 40-42 Nov/Dec 1994
ISSN: 0888-255X JRNL CODE: SCL
WORD COUNT: 1370

...TEXT: comprise any more of the total loan balance than your organization is comfortable with.

Despite the volatile nature of high-tech lending, personal computers and **computer parts** are becoming commodity-like. **Inventory** obsolescence can have a strong income statement impact. Even if a lender does not lend against inventory collateral, the state of the company's inventory...

13/3,K/69 (Item 1 from file: 647)

DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01149305 CMP ACCESSION NUMBER: CRN19980105S0039
Year 2000 sales go bust - Analysts see pluses and minuses ahead in 1998
Warren S. Hersch
COMPUTER RESELLER NEWS, 1998, n 770, PG37
PUBLICATION DATE: 980105
JOURNAL CODE: CRN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Business
WORD COUNT: 670

... corporations rebel against the Windows/Intel paradigm that dictates frequent upgrades to equipment?
- Might the channel's move to a build-to-order model disrupt **inven**tory stocks?
- Will a surplus of **PC components** lead to a precipitous drop in product prices and, thus, vendor margins?
"There was tremendous over-investment by the disk-drive manufacturers in 1997, and...

13/3,K/70 (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01146034 CMP ACCESSION NUMBER: EBN19971124S0123
PC ServiceSource Breaks Sales Records (Briefs)
ELECTRONIC BUYER'S NEWS, 1997, n 1085, PG105
PUBLICATION DATE: 971124
JOURNAL CODE: EBN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Online @ EBN
WORD COUNT: 122

... Net, a real-time Internet network of applications for spare-parts order entry and information retrieval, as well as complete warranty transaction processing and tracking.
PC Parts Net offers real-time **inventory** status, order entry, and pricing. The system allows customers to check inventory and pricing, place orders with actual part commitment, run reports, and receive real...

13/3,K/71 (Item 3 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01143466 CMP ACCESSION NUMBER: EBN19971103S0047
Recalibration is necessary (Analytical Angle)
Charles Boucher
ELECTRONIC BUYER'S NEWS, 1997, n 1082, PG16
PUBLICATION DATE: 971103
JOURNAL CODE: EBN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Business & Finance
WORD COUNT: 424

... prices have continued to drop rapidly despite historic bit growth rates. Price competition is tougher in the microprocessor market than it

has ever been. Excess **inventory** in various **PC components** has been a chronic problem this year. Lead times have remained very short for most device segments.

The basic problem is one we have stated...

13/3,K/72 (Item 4 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01118960 CMP ACCESSION NUMBER: IWK19970217S0042
Tailored Sales - Signature Plus 4.0 helps salespeople customize pitches for customers
Tom Stein
INFORMATIONWEEK, 1997, n 618, PG65
PUBLICATION DATE: 970217
JOURNAL CODE: IWK LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Software
WORD COUNT: 290

... These aren't just pretty pictures. They explain complex issues and show what the product will do for the customer."

The software also includes a **library** of images, such as **computer parts** , that salespeople can use to spice up their presentations. Pricing for Signature Plus 4.0 ranges from $1,100 to $2,300 per seat.

Copyright...

13/3,K/73 (Item 5 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01099511 CMP ACCESSION NUMBER: OEM19960801S0021
Hard-disk Tags Follow A More Stable Course (Inside information - In which we track systems design trends)
OEM MAGAZINE, 1996, n 430, PG73
PUBLICATION DATE: 960801
JOURNAL CODE: OEM LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Departments
WORD COUNT: 193

... by Mercury Research to track PC system design trends. The information on the PC hard-disk drives and SIMMS is taken from Mercury Research's **PC components** pricing trends **database** , and is collected by tracking mail-order prices. The design information in the opposite page is taken from Mercury Research's Design Trends database, which...

13/3,K/74 (Item 6 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01092641 CMP ACCESSION NUMBER: OEM19960601S0031
Voice Nudges Up Modem Prices
OEM MAGAZINE, 1996, n 428, c ep
PUBLICATION DATE: 960601
JOURNAL CODE: OEM LANGUAGE: English
RECORD TYPE: Fulltext

SECTION HEADING: Inside information - In which we track systems design trends
WORD COUNT: 191

... produced by Mercury Research to track PC system design trends. The information on CD-ROM drives an fax/modems is taken from Mercury Research's **PC components** pricing trends **database** , and is collected by tracking mail-order prices. The design information on the opposite page is taken from Mercury Research's Design Trends database, which...

13/3,K/75 (Item 7 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01025914 CMP ACCESSION NUMBER: CRW19940117S5693
Distributor to launch online buying service
GABRIELLE MITCHELL
COMPUTER RETAIL WEEK, 1994, n 455 , 12
PUBLICATION DATE: 940117
JOURNAL CODE: CRW LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: NEWS
WORD COUNT: 393

... The 14-year-old company has been a distributor and reseller of components to open- market companies.
New England Circuit Sales established PartFind/PartSell, a **database** of more than 200 million **computer components** from 10,000 suppliers. Marley said New England Circuit Sales and The DeskTop Channel plan to utilize the experience from PartFind/PartSell to control the...

13/3,K/76 (Item 8 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

00550343 CMP ACCESSION NUMBER: VAR19930315S8714
Value-Added Services Guide - Credit
Richard March
VARBUSINESS, 1993, n 903 , 63
PUBLICATION DATE: 930315
JOURNAL CODE: VAR LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Value-Added Services
WORD COUNT: 6204

... PC Distributing Inc.
30-day net terms
30-day-plus net terms
Leasing
Floor planning
COD
Escrow
Accounts receivable
Co-billing
Bid financing
Credit cards
Inventory financing
PC Parts Express

30-day net terms
Credit cards
COD
Other: cash/cashier's check
PC Wholesale
COD
Credit cards (Visa/MC)
Floor planning
Other: 15-day...

13/3,K/77 (Item 9 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

00544176 CMP ACCESSION NUMBER: CRN19931011S2528
*** Robec Inc., Horsham, Pa., is distributing the new IBM Pennant Systems line of printers. Pennant, Norwalk, Conn., is an...** (short takes)
COMPUTER RESELLER NEWS, 1993, n 548, 124
PUBLICATION DATE: 931011
JOURNAL CODE: CRN LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: distribution
WORD COUNT: 179

... Calif., to provide training for VARs through Western Micro's systems division. The program includes courses in Unix administration and advanced programming for languages and **database** tools.
* **PC Parts** Express, Carrollton, Texas, added spare parts from the imaging division of Fujitsu Computers of America, San Jose, and Texas Instruments Inc., Austin, Texas. The distributor...

13/3,K/78 (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0968645 BW0109

CA NETBUY: $2 Billion Inventory Milestone Surpassed on NetBuy's Vortex Site; www.NetBuy.com Expands Offering Again to Include More Than 330,000 Unique Parts From Over 1,800 Electronics Manufacturers

January 26, 1999

Byline: Business Editors/Technology Writers

...that its online inventory has surpassed $2 billion, extending the leadership of www.NetBuy.com as the world's largest source for electronics components and **computer parts** .
NetBuy's giant electronics **inventory** has more than doubled in the past 60 days in response to customer requirements for an online purchasing source that carries the broadest possible inventory...

13/3,K/79 (Item 2 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0213574 BW853

WELLS AMERICAN CORP: Wells American Corp. announces financial results

February 14, 1991

Byline: Business Editors

...services and technical assistance to the company's A Star and CompuStar computer customers.

The company is currently attempting to enhance to market for its **computer parts inventory** and is evaluating certain fully-assembled collateral computer accessories it hopes to purchase from third parties and resell to its customers through its CompuSciences product...

?

22/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02103248 SUPPLIER NUMBER: 19782727 (USE FORMAT 7 OR 9 FOR FULL TEXT)
AFTER 11 HARD YEARS, MIR'S COMPUTER WILL GET A NEW LEASE OF LIFE.
Computergram International, n3256, pCGN09250004
Sep 25, 1997
ISSN: 0268-716X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1016 LINE COUNT: 00081

... replaced many times over in Mir's eleven years in space. The online replacement technique, called hot-swapping, is being now becoming popular with companies **building** commercial **computer** systems. The Mir computer is administered primarily by mission control in Korolyov which can upload programs, download data and reboot system components. All of the...

...centre from RSC in Moscow over the weekend. Somewhat resembling a collection of PCs networked to sensor and control instruments, Mir's main computers are **embedded systems** running a low level assembler languages. They operate Mir's Gyro dynes, gyroscopic devices which keep the spacecraft pointing in the right direction, its solar...

...has performed 129 rendezvous and docking operations in its lifetime. More modern systems, including laptops brought aboard by the newest crew members, are used for **inventory** purposes and recording data from the scientific tests being performed in the weightless conditions aboard Mir.
Frequent failure
But even those, which may only be...

22/3,K/2 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

02050389 SUPPLIER NUMBER: 19256582 (USE FORMAT 7 OR 9 FOR FULL TEXT)
ARGO INTERACTIVE STAKES FUTURE ON NETWORK COMPUTERS AND HAS A SECOND SHARE OFFER ON THE INTERNET.
Computergram International, n3128, pCGN03260016
March 26, 1997
ISSN: 0268-716X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 239 LINE COUNT: 00021

TEXT:
...is one of the few start-ups to have tied its future to that of the Network Computer. The West Sussex-based company develops Oracle **database** software for Unix and NT servers it calls Nectar, to make them able to communicate with Network Computers. Some 80% of Argo's work is done on ARM RISC **chip** -based servers, which stems from its alliances with Network Computer **builders** Acorn **Computer** Group Plc and Oracle Corp, who are both using Acorn unit Advanced RISC Machines Ltd's ARM RISC **chips** for their Network Computers. Argo also has an agreement with an undisclosed "large UKbased consumer electronics firm" that will be releasing a Network Computer for...

22/3,K/3 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02030124 SUPPLIER NUMBER: 19079480 (USE FORMAT 7 OR 9 FOR FULL TEXT)
IS THE ERA OF HYBRID PERSONAL COMPUTERS AND TELEVISIONS ABOUT TO BECOME A REALITY.
Computergram International, n3091, pCGN02030015
Feb 3, 1997
ISSN: 0268-716X LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1012 LINE COUNT: 00082

... of the Simply Interactive PC - SIPC for short - initiative Microsoft has been working with key companies in the personal computer, consumer electronic and broadcast, and **semiconductor** industries to enable Windows based desktops to receive broadcast programming and data, and to improve the Windows user interface for use in the family living...

...personal computer and television is now formal. The Redmond-based company plans to ship software development kits, including Windows software extensions, device drivers, a software **library** and sample code, in February to those who need them, beginning its stream of impeccable developer relations that makes Windows the success it is. Interactive...

...even the Sci-Fi Channel. At last year's Comdex, Toshiba Corp - a key partner in the Simply Interactive PC programme - experimented with an attractively **designed** hybrid **PC** -TV. Combine this type of technology with Microsoft's open standard and you can see that things aren't so far away. While television channels...

22/3,K/4 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01944029 SUPPLIER NUMBER: 18336537 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Storage: HP announces new tape library products based on DLT technology; price/performance & up to 2TB capacity make DLT-based libraries optimal for Unix system & HP-UX-based system-backup storage applications. (digital linear tape) (HP Advanced DLT Library Systems) (Company Business and Marketing)
EDGE: Work-Group Computing Report, v7, p18(1)
May 27, 1996
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1103 LINE COUNT: 00094

The new **libraries** store up to 2TB of information and back up as much as 350GB of information per eight-hour session. They are targeted initially at UNIX...

...and high-end system OEMs and users of HP 9000 business servers running HP-UX(1) powered by HP's high-performance PA-RISC(2) **chip** technology. The **libraries** are **designed** for **computer** and network backup and automated restore, disaster recovery, near-line archiving and HSM (hierarchical storage management). This technology is ideally suited to meet the requirements...

22/3,K/5 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01524792 SUPPLIER NUMBER: 12325872 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The Talking Computer Company formed to market a computer without a

keyboard.
Computergram International, CGI06230015
June 23, 1992
ISSN: 0268-716X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 308 LINE COUNT: 00025

... hardware and software that runs under MS-DOS, using Rational Systems Inc's DOS 16M, an extended memory manager system. Using Intel Corp's 80386 **chip** , the TC 1000 comprises a voice input and output subsystem, 8Mb of memory, an input microphone and output speakers and there is an optional colour terminal. Compatible with IBM personal computers and running under MS-DOS, it runs most personal computer-based applications, such as word processing, spreadsheets and **databases** . In addition, it can send and receive both facsimiles and electronic mail messages and is able to communicate over a local area network. Although claimed...

...accountancy, legal and consultancy services. Those interested might include aged executives lacking keyboard skills, the disabled or people suffering from repetitive stress injury. The product, **assembled** by **computer** systems manufacturer, Staples Corner, North London-based, AJP Business Computers Ltd, is out now at #12,500 for the basic model including one-day training...

22/3,K/6 (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01522280 SUPPLIER NUMBER: 12335096 (USE FORMAT 7 OR 9 FOR FULL TEXT)
MacUser minifinders: 1001 Macintosh products. (Buyers Guide)
MacUser, v8, n8, p87(52)
August, 1992
DOCUMENT TYPE: Buyers Guide ISSN: 0884-0997 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 77991 LINE COUNT: 06173

... 521-6263 or 415-382-4400. (Nov '88) [MF#708]
Typing Instructor Encore
Encore is a Mac typing tutorial that makes good use of your **computer** 's abilities instead of simply imitating a typewriter. Version 1.0 reviewed. Version 2.0 shipping. Requires Mac Plus or later. $29.95. Individual Software...array of features, including charting capability. Includes DA version. Perfect for basic number munching if you already have or don't need integrated word-processing, **database** , and graphics tools. Version 2.03 reviewed. Version 2.07 shipping. Requires Mac Plus or later. $59 direct. Night Diamonds Software, P.O. Box 1608...3081 Enterprise Dr., State College, PA 16801. 800-448-3555 or 814-238-3280. (June '92) [MF#1256]
MUSE
MUSE blends elements of spreadsheet and **database** software into a unique program that explores multidimensional data ...Provides basic charting and simple animations. Imports files in many formats, including Excel 3.0, WKS, WK1, DBF, DIF, SYLK, and text files using standard **database** delimiters. Proper organization of data before importing is crucial and may require expert assistance. Good documentation. Version 1.01 reviewed. Requires Mac Plus or later...

22/3,K/7 (Item 7 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

01456464 SUPPLIER NUMBER: 11442266 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PC makers eye subnotebook market for 1992. (smaller portable computers)
Boudette, Neal
PC Week, v8, n44, p1(2)
Nov 4, 1991
ISSN: 0740-1604 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 539 LINE COUNT: 00041

... To help vendors with their designs, Phoenix Technologies Ltd. last week announced the Companion PC Program reference kit. The kit is a starting point for **building** a **PC** with **Chips** and Technologies Inc.'s low-power PC/ **Chip** processor; a **ROM** -based version of Microsoft Corp.'s DOS 5.0; and built-in spreadsheet, word-processing and **database** applications from Lotus Development Corp. Phoenix will provide pricing and availability information to customers.
Sharp Electronics Corp., meanwhile, early next year will release the PC...

22/3,K/8 (Item 8 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01448376 SUPPLIER NUMBER: 11225905 (USE FORMAT 7 OR 9 FOR FULL TEXT)
An ESL tool for the real world. (Davidson & Associates' English Express)(English as a Second Language) (Includes related article on an interview with the president of Davidson & Associates) (evaluation)
Billings, Lowell
Electronic Learning, v11, n1, p40(2)
Sept, 1991
DOCUMENT TYPE: evaluation ISSN: 0278-3258 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 952 LINE COUNT: 00077

... from Davidson and Associates, is a powerful new technology-based tool that is designed especially for the ESL classroom. Available in either videodisc or CD- **ROM** format, English Express employs a visual **data base** of more than 1,400 photographs based on the Longman Photo Dictionary, and uses speech, dramatic storyboards, and skill- **building computer** software to promote English-language proficiency for students in beginning language acquisition stages (approximately grade 4 and up).
Real-World Approach
English Express covers 67...

22/3,K/9 (Item 9 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01299423 SUPPLIER NUMBER: 07292766 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Letters. (letter to the editor)
Jennings, P.J.; Teixeira, Kevin; McQuillan, Bob; Bailey, Paul; Barnes, K.
PC User, n104, p57(2)
April 12, 1989
DOCUMENT TYPE: letter to the editor ISSN: 0263-5720 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1362 LINE COUNT: 00105

... Intel received extensive PS/2 and VGA design and product technology

in a technology exchange with IBM, this too is inaccurate, Intel acquired gate-array **library** design technology from IBM in 1986. Gate arrays are the building blocks for **designing** custom **computer chips** . We did not acquire PS/2 or VGA product technology from IBM.

The benefit of a VGA chip offering 100 per cent gate-level compatibility...

22/3,K/10 (Item 10 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01261001 SUPPLIER NUMBER: 07206823 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Technology-independent tool moves ASIC design **to** PC **platform. (Custom Silicon Design Kit) (includes related article on how the program's Generic Design** Library **works) (product announcement)**
Andrews, Warren
Computer Design, v27, n21, p23(3)
Nov 15, 1988
DOCUMENT TYPE: product announcement ISSN: 0010-4566 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1054 LINE COUNT: 00084

Technology-independent tool moves ASIC design **to** PC **platform. (Custom Silicon Design Kit) (includes related article on how the program's Generic Design** Library **works) (product announcement)**

22/3,K/11 (Item 11 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01257779 SUPPLIER NUMBER: 07122539 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Lotus targets CD ROM for tech support. (Lotus Development Corp.'s Lotus Prompt CD) (product announcement)
Freedman, Beth
PC Week, v5, n46, p27(1)
Nov 14, 1988
DOCUMENT TYPE: product announcement ISSN: 0740-1604 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 385 LINE COUNT: 00030

... technical-support options on CD ROM in a move designed to lessen its corporate users' dependence on the telephone and written manuals.

Lotus Prompt CD, **designed** for **PC** coordinators, information-center managers or others who assist users of Lotus software, consists of 10 **databases** on Lotus products that are updated and sent to subscribers monthly on single CD **ROM** (compact disk, read-only memory) platter.

A $995 subscription to Lotus Prompt CD includes technical support notes and product documentation for 1-2-3 release...

22/3,K/12 (Item 12 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01108863 SUPPLIER NUMBER: 00633844
ISC Profits Melt in $16-Million Inventory Writedown.
Pike, H.
Electronic Engineering Times, n339, p22

July 22, 1985
ISSN: 0192-1541 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

ABSTRACT: Intelligent Systems Corp., one of the leading suppliers of peripherals for the IBM PC, failed to foresee the drop in **chip** prices and the slowing demand for personal computers that took place in 1984. As a result, the company was forced to write down $16.1 million in overpriced **inventory** in the final quarter of fiscal 1985 ended March 31, 1985; which reduced its fiscal 1985 earnings to $1.76 million, as compared to $8...

...Systems' main source of revenue is its Quadram subsidiary, which sells? forty-one different PC peripherals. Its other subsidiaries are Princeton Graphics Systems Inc., which **designs** personal **computer** monitors; Datavue Corp., a supplier of computer systems and equipment; Asher Technologies Inc., which sells voice-data communications products for personal computers; and Peachtree Software...

22/3,K/13 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01480804 Supplier Number: 47066839 (USE FORMAT 7 FOR FULLTEXT)
JAPAN'S LEADING ASIC SUPPLIER, FUJITSU LSI TECHNOLOGY LTD., BECOMES EXEMPLAR'S FIRST ASIC PARTNER
News Release, pN/A
Jan 27, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1333

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
Fujitsu Certifies Its **ASIC Libraries** for Exemplar's Leonardo and Offers Exemplar's Windows NT Solution to Its Japan Customers PALO ALTO, CALIFORNIA--January 27, 1997 --Exemplar Logic Inc., a supplier of logic synthesis software, today announced that Exemplar and Fujitsu LSI Technology Ltd. (Kawasaki, Japan), a subsidiary of Fujitsu Limited, a leading **ASIC** solution supplier, have signed a major business and technology agreement. Under the terms of the agreement, the companies will pursue an ongoing joint development effort for certification of Fujitsu's **ASIC libraries** for Exemplar's Leonardo synthesis solution. In addition, Fujitsu plans to offer Exemplar's Windows NT version of Leonardo with certified **libraries** to customers in Japan. This is the first agreement Exemplar Logic has signed with a leading **ASIC** supplier. It is significant because its result is the development of the first commercially available **ASIC** synthesis solution for Windows NT users. In Japan, Fujitsu is offering certified **ASIC** synthesis **libraries** and Exemplar's Leonardo as part of its PROVERD Windows NT design solution. Certified Fujitsu **libraries** are available for Leonardo to Fujitsu customers worldwide on Windows and UNIX platforms. According to Bob Barker, Exemplar Logic's vice-president of marketing, "We have an excellent track record of working with the world's leading FPGA suppliers to supply and support certified **libraries** with our synthesis solutions. This agreement is the first we have signed with a leading **ASIC** supplier and is representative of the direction we want to pursue with other leading **ASIC** suppliers." "Fujitsu worked with us to define our first certified **ASIC** solution for the Windows NT environment. They have worked with us and their customers in Japan to validate that Leonardo works with their **ASIC** design flow." Fujitsu's **ASIC** Technology Director, Hideo Kikuchi added, "Exemplar's

transferring responsibility for FPGA and **ASIC** synthesis development and its AutoLogic II product to Exemplar. Exemplar Logic merged with Mentor Graphics Corporation on May 31, 1995. It operates as an independent...

...3373700, Fax: (510) 337-3799. About Fujitsu LSI Technology, Ltd.: Fujitsu LSI Technology, Ltd. (FLT) is a wholly owned subsidiary of Fujitsu Ltd., the leading **ASIC** supplier world-wide. Fujitsu, Ltd. was established in 1988 as a research and development center for LSI development and manufacturing technology. FLT develops and provides full system solutions ranging from LSI design to **library** development, and manufacturing and process control technologies for manufacturing **semiconductors** for Fujitsu and its affliated companies. FLT's primary focus is developing CAD systems for **ASIC** and system design. For more information on Fujitsu LSI Technology's products, please contact FLT Sales Director Yasuo Iguchi in Japan at (011 81) 44...

...a schematic netlist from Fujitsu PROVERD. These inputs are fed into Leonardo (called PROVERD-SYN for PROVERD users) for synthesis, optimization and timing analysis. Fujitsu **libraries** are used synthesis and gate-level simulation.

22/3,K/14 (Item 2 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01432983 Supplier Number: 46748549 (USE FORMAT 7 FOR FULLTEXT)
OKI ANNOUNCES NEW, LOW-COST, HIGH-BANDWIDTH 802.11-DRAFT WLAN BASEBAND CONTROLLER FOR DATA COMMS
News Release, pN/A
Sept 30, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 508

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
Optimized for frequency hopping spread spectrum supporting direct sequence and IR; features improved partitioning, on- **chip** FH modem, smallest form factor SUNNYVALE, Calif., Sept 30, 1996 -- Oki **Semiconductor** today introduced a wireless local area network (WLAN) baseband controller targeting data communications for emerging manufacturing and retail environments. Designated ".XI" for the IEEE802.11...

...vs. today's proprietary solutions," said Scott Gardner, telecom marketing manager for Oki. Oki's .XI is ideal for a variety of emerging horizontal (in- **building** **PC** mobility) and vertical (**inventory**) market applications, addressing point-to-point, access point and direct Ethernet connections. The former segment includes PDAs, notebooks or other hand-held computing terminals requiring...

...XI is available in a 144-pin TQFP for assembly into type II PC Cards and is priced at $25 each for 10KU orders. Oki **Semiconductor** , founded in 1977, manufactures a broad line of VLSI devices for 'use in computers, EDP, automotive, telecommunications and consumer products. A leader in **CMOS** memory, gate array and customer Structured array **ASIC** products, the company's product lines also include speech synthesis, microcontrollers, and advanced communications devices for wireless and fiber optic applications. Oki is also at...

...advanced options to its customers. Headquartered in Sunnyvale, Calif., Oki has manufacturing facilities in Portland, Ore. All Oki manufacturing facilities are ISO 9002-certified. Oki **Semiconductor** is a division of OKI America Inc., a subsidiary of Oki Electric Industry Co., Ltd.

22/3,K/15 (Item 3 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01383918 Supplier Number: 46395764 (USE FORMAT 7 FOR FULLTEXT)
HP Announces New Tape Library Products Based on DLT Technology; Price/Performance and up to 2TB Capacity Make DLT-based Libraries Optimal for UNIX system and HP-UX-based System-backup Storage Applications.
Business Wire, p5200028
May 20, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1175

The new **libraries** store up to 2TB of information and back up as much as 350GB of information per eight-hour session. They are targeted initially at UNIX...

...and high-end system OEMs and users of HP 9000 business servers running HP-UX(1) powered by HP's high-performance PA-RISC(2) **chip** technology. The **libraries** are **designed** for **computer** and network backup and automated restore, disaster recovery, near-line archiving and HSM (hierarchical storage management). This technology is ideally suited to meet the requirements...

22/3,K/16 (Item 4 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)
(c) 2003 The Gale Group. All rts. reserv.

01356413 Supplier Number: 46212751 (USE FORMAT 7 FOR FULLTEXT)
Build Multimegabyte Realtime Applications Under DOS with Phar Lap's TNT Realtime DOS-Extender SDK, the First Realtime DOS Extender
News Release, pN/A
March 11, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1300

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...compilers, debuggers, DOS drivers and other third-party tools that are compatible with the Win32 API; this includes support for the C/C++ run-time **libraries** that come with the 32-bit compilers. Robust Realtime Performance The TNT Realtime DOS-Extender product includes the features of a robust realtime operating system...

...Watcom C/C++ Version 10.5; a 32-bit version of Microsoft's CodeViewr; Borland's Turbo Debuggerr; and the compilers' C/C++ nm-time **libraries** . In addition, the TNT Realtime DOS-Extender SDK supports standard DOS drivers for devices such as CD- **ROMs** and networks. New Life for DOS Extenders Thousands of developers use MS-DOS and compatible kernels for building embedded and realtime applications on the PC...Realtime DOS-Extender SDK is programmers who want to develop realtime embedded applications on the DOS

platform using mainstream compilers, debuggers, drivers and run-time **libraries** . Requirements and Availability Host computer requirements for Phar Lap's TNT Realtime DOS-Extender SDK include a PC- compatible system running MS-DOS, Microsoft Windows 3.1, OS/2r or Windows 95. Target hardware may include custom **design** boards, **PC** /104 system hardware and standard PC hardware. Compilers supported include 32-bit compilers from Borland, Microsoft and Watcom. The TNT Realtime DOS-Extender' product supports...

...programmers worldwide have used Phar Lap development tools to build and deliver over 2,500 software products, including: Autodesk's AutoCADr 386, Microsoft's FoxPror **database** , and Microsoft's Visual C++. Phar Lap's goal is to make developing embedded and realtime programs as easy as developing DOS or Windows applications.

22/3,K/17 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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04060006 Supplier Number: 54072326 (USE FORMAT 7 FOR FULLTEXT)
FUSION LEADERS SEEK AT LEAST $250M FOR FY '99 FUSION WORK.
Fusion Power Report, v19, n3 AND 4, pNA
March, 1998
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 2471

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...include: plasma spray coatings and ion implantation in metals used for machine tools, ball bearings, and medical implants; application of polymer films to recording media; **manufacture** of **computer chips** and integrated circuits, where 40 percent of the steps involve plasma processing; **semiconductor** and textile defect detection using laser imaging techniques developed for plasmas; plasma flat-panel television displays; plasma switches for electricity transmission, part of a new... signers concluded. "We believe that these are very important goals, consonant with the expressed wishes of Congress, and necessary for the effort to provide the **knowledge base**0 for an attractive non-carbon energy source to safeguard our nation's environmental health and long- term energy security." The signers were: David Baldwin, senior...

22/3,K/18 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
(c) 2003 The Gale Group. All rts. reserv.

03848082 Supplier Number: 48367399 (USE FORMAT 7 FOR FULLTEXT)
NATIONAL SEMICONDUCTOR: New Quad 10 Mb/s Ethernet PHY enables high port density systems in switching apps
M2 Presswire, pN/A
March 20, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 859

... which provides receive tolerance levels well in excess of IEEE specifications.
The 4TPHY product was developed using fully characterized PHY cells from National's cell **library** which enables National to develop semicustom

and custom solutions that can be integrated with customer's silicon intellectual property. The horizontally integrated 4TPHY device's reusable cell methodology is a component of National's system-on-a- **chip** strategy specifically **designed** for **PC** hub and remote access markets.

Notes to Editors:

National Semiconductor Corporation, a Fortune 500 company, produces system on a chip silicon solutions for the information...

22/3,K/19 (Item 3 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03790711 Supplier Number: 48214530 (USE FORMAT 7 FOR FULLTEXT)

DELL: Dell reduces prices by up to 15 percent on selected models of corporate PCs

M2 Presswire, pN/A
Jan 8, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 496

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...WorkStation 400 that include a single 300 MHz Intel* Pentium* II processor. Since Dell, the No. 2 supplier of desktop PCs to U.S. businesses*, **builds** each **PC** to order and has little **inventory** , the company can quickly pass on lower costs to customers. With the vast majority of its customer base outside Asia and most of its components...

...configuration and price includes: OptiPlex GXaL with 300MHz Pentium II processor, 32MB SDRAM, 2.1GB Ultra DMA/33 hard drive, 12/24X variable-speed CD- **ROM** , integrated 3Com 10/100 Ethernet networking, video adapter with 8MB video RAM and 800LS (13.7-inch v.i.s.) monitor has been reduced 15...

22/3,K/20 (Item 4 from file: 636)

DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03451139 Supplier Number: 47110631 (USE FORMAT 7 FOR FULLTEXT)

SCIENTIFIC AND TECHNICAL SUPPORT

Set-Aside Alert, v5, n3, pN/A
Feb 10, 1997
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 3752

(USE FORMAT 7 FOR FULLTEXT)

TEXT:

...the performance of specific tasks for the Geotechnical Laboratory in connection with ongoing and proposed research efforts. Major research and development thrusts include broadening the **knowledge base** in seismic safety evaluation and remediation of dams; developing civil engineering technologies and analytical tools to assist engineers and logisticians in rapidly assessing current conditions...Institute, Division of Cancer Prevention and Control, Public Health Applications Branch is looking for a contractor to provide technical support for the State Cancer Policy **Database** program (SCUD) for five years. This has been set-aside for 8(a)-certified firms and may be restricted to firms in either the

developmental...400 7th St., SW, Room 4410, Washington, DC 20590. Contact John Nanartowicz 202/366-4247. 12)The Naval Surface Warfare Center, Carderock Division, will be **building** embedded **computer** systems utilizing Sharc signal processing **chips** . The systems will be integrated into PC and Silicon Graphics, Inc. (SGI) computers. The Navy needs PCI board modules containing onboard Sharc **chips** , memory, and Sharcpac module sites, and ISA boards containing Sharcpac sites. The Sharcpacs will house Sharc **chips** , memory or combinations of both. Software development tools required will include AMSI C compiler, assembler, linker, debugger, hand-coded digital signal processing **libraries** and run-time **libraries** which support I/O, DMA and interrupt service. PC and SGI Host resident software will be required, including server, loader, reset, interrupt handling, DMA, probe...management, disk management/backup, host platform peripheral and communications, user access management, security management, performance management, capacity monitoring, help desk, configuration management, continuity of operations, **database** administration, touch labor, application/system design and integration, and end user support. SIC Codes are 4813 (except radiotelephone), 7371, 7372, 7373, 7374, 7375, 7376, 7378...

22/3,K/21 (Item 5 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03444641 Supplier Number: 47095190 (USE FORMAT 7 FOR FULLTEXT)
IS THE ERA OF HYBRID PERSONAL COMPUTERS AND TELEVISIONS ABOUT TO BECOME A REALITY
Wall, Jeremy
Computergram International, n3091, pN/A
Feb 3, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 951

... of the Simply Interactive PC - SIPC for short - initiative Microsoft has been working with key companies in the personal computer, consumer electronic and broadcast, and **semiconductor** industries to enable Windows based desktops to receive broadcast programming and data, and to improve the Windows user interface for use in the family living...

...personal computer and television is now formal. The Redmond-based company plans to ship software development kits, including Windows software extensions, device drivers, a software **library** and sample code, in February to those who need them, beginning its stream of impeccable developer relations that makes Windows the success it is. Interactive... ...even the Sci-Fi Channel. At last year's Comdex, Toshiba Corp - a key partner in the Simply Interactive PC programme - experimented with an attractively **designed** hybrid **PC** -TV. Combine this type of technology with Microsoft's open standard and you can see that things aren't so far away. While television channels...

22/3,K/22 (Item 6 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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03410980 Supplier Number: 47020125 (USE FORMAT 7 FOR FULLTEXT)
SEMICONDUCTOR PHOTOLITHOGRAPHY
Innovator's Digest, v97, n1, pN/A

Jan 7, 1997
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 137

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
This report (from the INSPEC **Database**) concerns photolithographic processes, masking fabrication, and design techniques in **semiconductor** device manufacturing technology. Topics include, for example: techniques in conventional, contact, and high resolution photolithography; techniques for thin film transistors and submicron circuitry **design** ; **computer** simulation; photoresistor development; performance evaluations; and more. The report consists of a collection of up to 250 abstracts of selected reports, with references for their...

22/3,K/23 (Item 7 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02848044 Supplier Number: 45772881 (USE FORMAT 7 FOR FULLTEXT)
SIDEWIRE...
Telecomworldwire, pN/A
Sept 7, 1995
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 659

... every month (http://www.esselte.com/letraset) in a bid to get greater user visits onto the site, which includes on-screen font catalogues and **databases** ... IBM CORP has opened a PC manufacturing plant in Senoko, Singapore to **build** IBM **PC** products for marketing in the ASEAN and south Asia marketplace... BusinessWeek reports that Intel's forthcoming P6 could be hit because it does not support older 16-bit programs -- although Intel hopes that 16-bit apps will be history by the time the **chip** starts shipping in production during 1997... NOVELL INC has held talks with Hewlett-Packard and other US computer companies over the future of the Unix ...

22/3,K/24 (Item 8 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02673043 Supplier Number: 45419445 (USE FORMAT 7 FOR FULLTEXT)
IBM UNVEILS NEW SMP PC SERVERS
M2 Presswire, pN/A
March 23, 1995
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 490

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...way Symmetrical Multi-processing (SMP) and hot-swap RAID to small/medium workgroups. * The IBM PC Server 720. Drawing on IBM's expertise in SMP **design** , the **PC** Server 720 is a superserver offering huge expansion potential. Up to six 100MHz Pentium processors, 40GB of internal hot-swap disk, 7 PCI/Micro Channel...

...and NetFinity. Re-emphasising its commitment to making Local Area Networks easier to manage - every IBM PC Server now ships with a built-in CD- **ROM** drive, ServerGuide (IBM's innovative CD-based installation and tuning software), and NetFinity (IBM's award-winning server and desktop management package). IBM has strengthened...
...And in a move to make LAN's easier to manage, all of IBM PC Servers will now also ship with a built-in CD- **ROM** drive, plus IBM's ServerGuide and NetFinity CDs. The PC Server 320 builds on the success of the EISA/PCI based PC Server 300, which...

...TriFlex architecture" Hope added that "Customer interest in the PC Server 720 is another indicator that the use of PCs for large scale application and **database** serving is really beginning to take off. Specifications, Pricing and Availability All models include a CD- **ROM** , ServerGuide CDs, NetFinity and a copy of APC PowerChute plus. CONTACT: Jo Hyde Tel: 01256 344394 Fax: 01256 58173 M2 COMMUNICATIONS DISCLAIMS ALL LIABILITY FOR...

22/3,K/25 (Item 9 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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02451038 Supplier Number: 44895138 (USE FORMAT 7 FOR FULLTEXT)
BITS AND PIECES
Telecomworldwire, pN/A
August 3, 1994
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 589

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...technologies from Microsoft Corp for inclusion in its Symantec C++ development tools products -- the technologies include present and future versions of the Microsoft Foundation Class **Libraries** and the OLE 2.0 development kit components... SHARED MEDICAL SYSTEMS CORP has signed a letter of intent with GTE Information Services to acquire GTE...

...who has key supply contracts with Telefonica de Espana.... IBM, Motorola and Loral have set up a joint venture to develop new technologies for the **manufacture** of **computer chips** in a US$100 million project... KPMG MANAGEMENT CONSULTING and solicitors Turner Kenneth Brown in the UK have joined forces to give independent advice on...

22/3,K/26 (Item 10 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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01147577 Supplier Number: 40943918 (USE FORMAT 7 FOR FULLTEXT)
FinanceL: IMI Offers CMOS Array Design Software For PCs
Semiconductor Industry & Business Survey, v11, n13, pN/A
Sept 18, 1989
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 63

Priced at $1,250, PC-EasyGate is an affordable design tool for the **IC**

systems engineer who wants design control and needs access to proven macro **libraries** for gate array **design** . **PC** -EasyGate is available for immediate delivery.
COPYRIGHT 1989 by HTE Research, Inc.

22/3,K/27 (Item 11 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)
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01147565 Supplier Number: 40943906 (USE FORMAT 7 FOR FULLTEXT)
Custom/Semicustom: IMI Offers CMOS Array Design Software For PCs
Semiconductor Industry & Business Survey, v11, n13, pN/A
Sept 18, 1989
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 57

Priced at $1,250, PC-EasyGate is an affordable design tool for the **IC** systems engineer who wants design control and needs access to proven macro **libraries** for gate array **design** . **PC** -EasyGate is available for immediate delivery.

22/3,K/28 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04803510 Supplier Number: 47068193 (USE FORMAT 7 FOR FULLTEXT)
Tanner gives R&D its due
Goering, Richard
Electronic Engineering Times, p42
Jan 27, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 376

... 1988 by graduates of the California Institute of Technology, including former students of EDA visionary Carver Mead. Today, the company sells complete tool sets for **IC** , multichip module (MCM), and discrete MEMS **design**0 on **PC** , Macintosh and Unix platforms. Offerings include schematic entry, digital and analog simulation, layout editing, design-rule checking and device parameter extraction. The company also offers layout **libraries** and supports the Mosis and Orbit **Semiconductor** multiproject wafer-fabrication services.
Composite CAD is not Tanner's first research award; the company is also coming to the end of a three-year...

22/3,K/29 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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04354623 Supplier Number: 46386382 (USE FORMAT 7 FOR FULLTEXT)
DELL STARTS YEAR WITH RECORD SALES AND PROFITS
PR Newswire, p0514NETU032
May 14, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1794

... said Tom Meredith, chief financial officer. "Our low inventory direct model delivers superior results against both."

During the first quarter Dell improved its already strong **inventory** position reducing its days of **inventory** by 45 percent to an industry-leading 17 days. By **building computer** systems to customer order, rather than to forecasted demand, Dell keeps inventories low. This has helped the company capitalize on the dramatic declines in component costs, such as memory **chips** which have fallen more than 60 percent in the past six months. During the past quarter Dell achieved an industry-leading price position by rapidly...

22/3,K/30 (Item 3 from file: 16)
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03657750 Supplier Number: 45164525 (USE FORMAT 7 FOR FULLTEXT)
Time Warner Starts Database Mktg. Plan
Multichannel News, v0, n0, p155
Nov 28, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 143

... be included in predictive models allowing Time Warner to recognize customers with the greatest inclination to purchase particular products.

CSG's role will be to **design** a **PC** -based **database** management tool for target marketing and management reports by local systems. The methodology will be delivered on CD- **ROM** and work independently from billing services.

- MCN

22/3,K/31 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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03122536 Supplier Number: 44258267 (USE FORMAT 7 FOR FULLTEXT)
Intel began
Electronic News (1991), p28
Nov 29, 1993
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 164

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...contain the necessary software to perform automatic configuration. The first kit, 'Plug and Play Kit for MS-DOS and Windows,' includes a DOS driver, interface **libraries** , configuration utility, and VHDL description for an **ASIC** implementation. The second kit, the 'Plug and Play **BIOS** Enhancements Kit,' contains **BIOS** software that automatically detects and configures PCI and plug and play ISA cards. Both kits are openly licensed to PC hardware manufacturers. Telephone support is...

...ISA Hardware Demo Kit' contains a fully functional audio demo card and Windows 3.1 virtual device driver. The add-in card is a reference **design** for **PC** add-in card manufacturers. The kit also includes diagnostics, board schematic files and speaker. It is available for $895. Bundled with

the demo kit is...

22/3,K/32 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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02214879 Supplier Number: 42886732 (USE FORMAT 7 FOR FULLTEXT)
Super chip keeps its passport
The Engineer, p28
April 2, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Academic
Word Count: 1812

... from high-definition TV to the American Star Wars programme.
The processor is called an associative string processor (ASP). At its heart is an unusual **design** of **computer** memory, known as a contents addressable memory (CAM), which is capable of retrieving information from a **database** almost instantaneously. It can do this because each memory location in the **chip** has its own tiny microprocessor that can compare the contents of its memory with the item the computer is searching for.
Lea has set his...

22/3,K/33 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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02071339 Supplier Number: 42678089
Bitstream unlocks its treasury of typefaces
Boston Business Journal, p15
Jan 20, 1992
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:
...of electric typefaces. Reportedly, the company is known for its design know-how. Currently, the company is taking on its rivals with a compact disc **library** of 1,040 fonts for the Macintosh computer. The company was slated to roll out the CD- **ROM** 'Type Treasury' at MacWorld on 1/10/92 at MacWorld. Although the company's 4 competitors agree that Bitstream lags behind only Adobe Systems (California...

...size and in name recognition for the electronic font design, only one of the competitors, Linotype Hell (New York), has yet to launch its CD- **ROM** product. Adobe offers products similar in both function and price to Type Treasury. The 2 companies, Bitstream and Adobe are the only firms in the United States whose sole product lines are typefaces which are **designed** for **computer** use.
...

22/3,K/34 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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01762953 Supplier Number: 42212334
Daifuku - Company Report
Investext, p1-6

July 10, 1991
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:
...firm with more than 50% of the markets for automatic storage and retrieval systems and automobile assembly line engineering. Two years ago, Daifuku introduced an **IC** -card controlled compact vertical storage and retrieval system designed for installation in existing plants, offices, **libraries** , and warehouses featuring clean, quiet, low-vibration operation. Orders rose 198% in FY 3/90. In FY 3/92 the company is introducing a smaller system **designed** for **computer** tapes and disks, books, video tapes and CDs. In FY 3/91 70% of Daifuku's sales were to the manufacturing sector and about 30...

22/3,K/35 (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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01615564 Supplier Number: 41992955 (USE FORMAT 7 FOR FULLTEXT)
Mentor lands big contract
Electronic Engineering Times, p4
April 8, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 100

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...Mentor Graphics Corp. last week disclosed a five-year, multimillion-dollar contract with Allied-Signal Aerospace Corp. The pact includes Mentor's simulation tools and **libraries** , hybrid **design** tools, **pc** -board design software, **IC** -layout tools and test-and-verification software.

22/3,K/36 (Item 9 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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01463341 Supplier Number: 41766204
Chip and Board Challenges
Computer-Aided Engineering, p30
Jan, 1991
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Academic Trade

ABSTRACT:
Motorola's Microprocessor Unit Div (Austin, TX) used Cadence Design Systems's (San Jose, CA) design simulation software to develop its new 68040 **chip** . Cadence's Verilog-XL and Verilog HDL packages made **chip** development quicker. The Verilog model working like a specification that could be altered when necessary. The Verilog-XL software allowed Motorola engineers to work concurrently...

...them access code from prior 68000-based devices. Sun Microsystems (Mountain View, CA) used pre-release software from Valid Logic Systems (San Jose, CA) to **design** the **pc** -boards for its RISC-based SparcStation 1. Valid's Allegro software included routing, automatic placement, 3rd-party

pc-board **database** translators, and postprocessing. Sun is now using Valid software for all of its CAD layout. ...

22/3,K/37 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
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02366276
READY SYSTEMS INTRODUCES VRTX-PC: USES PC AS BOTH DEVELOPMENT AND TARGET SYSTEM
News Release November 6, 1989 p. 1

Ready Systems, the industry's leading manufacturer of real-time **embedded software** tools, today introduced the VRTX32 real-time environment on the IBM PC/AT/XT and compatibles. The new product, VRTX-PC, gives **embedded systems** designers working on a PC the capability to use their machine as both the development platform and the embedded computer. VRTX-PC provides a convenient user-interface to its software components - a capability previously unavailable to **embedded systems designers** . VRTX- **PC** means that PCs are now viable platforms for controlling the demanding, time-critical applications where deterministic operating system performance is mandatory. These applications include industrial...

... executed as a DOS resident program, so the PC need not be rebooted to run DOS. VRTX-PC supports all standard IBM PC devices, PC- **BIOS** , and PC- **BIOS** compatible systems. VRTX-PC is a Complete OS VRTX-PC includes VRTX32 (real-time kernel), RTscope (real-time debugger), IFX (Input/output file executive), RTL (run-time **library**), and PCX (PC support eXecutive). VRTX-PC also includes WIX, a window manager which provides a convenient user interface. The VRTX-PC support executive, PCX...

22/3,K/38 (Item 2 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
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02361944
New bench-top ATE system screens semiconductor devices for ESD damage.
News Release September 20, 1989 p. 1

OAE has developed a new portable ATE system to screen a wide variety of **semi - conductor** components for light, moderate, or severe ESD damage. The system can test PMOS, NMOS, **CMOS** , bipolar and ECL devices using an internal **database** of DC test parameters. The system can store as many as 25,000 device tables in Non-Volatile Memory, or the operator can use the...

... can be used at incoming inspection or right on the assembly line. Options include a printed circuit board upgrade package and test fixtures to screen **assembled PC** cards, a test vector support package which enables using standard JEDEC test vectors, and four optional programming **libraries** which enable the user to program memory and logic devices before testing. An ESD/EOS Field Upgrade Kit is also available for owners of OAE...

22/3,K/39 (Item 3 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
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01348859
Expert System Cuts Pcb Defects.
ELECTRONIC ENGINEERING TIMES May 12, 1986 p. 26

West Germany: An expert system has been developed which can reduce defects in the soldering of pc-boards. With the growing use of mixed **assemblies** , **pc** -boards are being used with **semiconductors** , connectors and other parts mounted in close proximity. Soldering parameters related to different parts of the board have to be adjusted precisely to meet the need for differing heat transfer. The **knowledge base** is expanded constantly, and contains data about soldering technology in the form of an encyclopedia, a listing of soldering standards and other information.
...

22/3,K/40 (Item 4 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
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01271913
Tek Vertically Integrates CAE/CAD Workstations.
ELECTRONIC ENGINEERING TIMES October 28, 1985 p. 41,42

... standard computing platforms. The latest Tek offerings are 8 application-specific WorkSystem families covering the design autmation areas of electronic design, gate arrays, full custom **chips** , structured custom ICs, standard cell **designs** , **pc** -boards, test and measurement, and software development. Communication between the various WorkSystems is aided by the use of a common Designer's **Database** and a consistent set of design tools. Each Worksystem is available on Tektronix's 3 standard platforms. Regardless of the platform, any combination of the...

22/3,K/41 (Item 5 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
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00965709
The next generation of automated testing equipment (ATE) is always 1 step behind the products to be tested, according to S Scheiber, mgr of communications for Fairchild's Mfg Test Systems Div (Latham, NY).
Digital Design October, 1983 p. 40-501

...product rapidly, using a combination of discrete components and ICs, with bare boards fabricated by an outside vendor. As a result, electronics manufacturers began to **design computer** -driven testers that simulated the function of individual PC boards, with the logic accessed from the same edge connectors through which they were attached to...

... gave way to LSI/VLSI in which all logic was confined to a single piece of silicon and signals were now the legs of a **chip** package. The increasing density of modern **chips** has complicated the testing process because components would not always be found in a tester manufacturer's component model **library** . In an attempt to decentralize testing away from the end of the manufacturing cycle, new methods take advantage of information gathered at a variety of...

22/3,K/42 (Item 6 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

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00744353
Intel will introduce 100 products in 1982, including 3 systems in office automation and personal computing, not to abandon its leadership in components but to expand its highly specialized system business, which brought in 40% of total revenues of $788 mil in 1981.
Business Week (Industrial Edition) March 22, 1982 p. 63,651

Intel will offer a relatively cheap (under $25,000) **data - base** management system, based on its 16-bit 8086 microprocessor; a transaction processor that will perform the functions of automated tellers but for a price of...

... 10,000 when bought in quantity, including software and peripherals; and a low-cost portable software development system--a personal computer for engineers. Targetting its **data - base** system to OEMs like Wang, Burroughs and Harris, Intel is working to reduce the processor from a box to several **chips** which could become standard, essential components for the personal computer industry. The **data - base** and the transaction processors will use almost identical circuit boards and the same 5.25-in Winchester disc drive made by Computer Memories, a company in which Intel is acquiring a 20% stake. Intel is marketing some of its new systems (though not the **data - base** and transaction processors) with a concept of 'decomposability,' which will avoid presenting a threat to OEMs by selling complete systems or any part thereof, such as the 86/330 introduced in Nov 1981, a general purpose system. The **data - base** and transaction processors will be sold to systems houses, which **assemble computer** systems on a custom basis and are an unfamiliar group of customers. Intel has launched its electrically programmable, read-only memory (**EPROM**), able to store 128,000 bits and will reenter the 64K RAM market with an upgraded **chip** .

22/3,K/43 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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10003766 SUPPLIER NUMBER: 20211618 (USE FORMAT 7 OR 9 FOR FULL TEXT)
National Semiconductor's New Quad 10 Mb/s Ethernet PHY Enables High Port Density Systems in Switching Applications.
Business Wire, p2091139
Feb 9, 1998
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 756 LINE COUNT: 00082

... which provides receive tolerance levels well in excess of IEEE specifications.

The 4TPHY product was developed using fully characterized PHY cells from National's cell **library** which enables National to develop semicustom and custom solutions that can be integrated with customer's silicon intellectual property. The horizontally integrated 4TPHY device's reusable cell methodology is a component of National's system-on-a- **chip** strategy specifically **designed** for **PC** hub and remote access markets.

Price and Availability

Samples of the 4TPHY device (DP83924B) will be available in Q1 1998 and will be priced at...

22/3,K/44 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

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09337543 SUPPLIER NUMBER: 19188018 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Confronting the big lie: a neo-Luddite manifesto. (impact of new technology in the workplace)
Pemberton, J. Michael
Records Management Quarterly, v31, n1, p56(6)
Jan, 1997
ISSN: 1050-2343 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 5951 LINE COUNT: 00476

... because they had no idea there would ever be a year 2000!
A second sign of the cracking facade of computer invulnerability is the Intel **chip** fiasco in the fall of 1994. Intel was - and is - a world leader in the design and **manufacture** of **computer chips** , including the central processing unit (CPU) used on most personal computers. Intel researchers and a very small number of math-heavy users discovered a flaw ...

...occur every 9 billion times - in other words very seldom. After a $475 million write-off to cover replacements and pulling existing stock out of **inventory** and off assembly lines, Intel began a recovery of public esteem.(21) Along with additional delays in the release of Microsoft's new Windows 95...

22/3,K/45 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

09079112 SUPPLIER NUMBER: 18740563 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The intranet - a firm's private road on the information superhighway.
Black, Robert L.; Pforsich, Hugh; Sechler, Carolyn S.
Tax Adviser, 27, n9, 561(9)
Sep, 1996
ISSN: 0039-9957 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 6656 LINE COUNT: 00551

... majority of U.S. companies either have it, plan to get it or are studying it"; see id. A major consulting firm uses an Oracle **database** with a World Wide Web ("Web") front end that enables it to share its expertise among its 5,000 worldwide employees; as a result, those...

...ends at the intranet level. (4) HTML is a standard language for presenting pages on the Web. It enables developers to integrate information systems and, **database** applications, which then provide, through a browser, the capacity to access hyperlinks, forms,, search engines, etc (5) Public information can also be published by transferring...costs. (25) See Galloway, et al., "All-in-One Web Solutions," 18 InfoWorld 72 (5/6/96), and Lindquist and Will-Harris, "Custom Web-Page **Design** ," 9 **PC** Computing 120 (Aug. 1996). for comprehensive reviews of these and other authoring programs. The new word processing upgrades of, e.g., Microsoft's Word for ...

...20) See http://www.microcom.com/cc/cc/htm. (21) See Gillmor, "Now It's Webware," 21 Byte 133 (Apr. 1996). (22) See Black, "CD- **ROM** Tax Research (Parts I and II)," 26 The Tax Adviser 583 (25) Commerce Clearing House provides an "intelligent agent" in some of its software products...

22/3,K/46 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08010683 SUPPLIER NUMBER: 16915733 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Board designers get into the 'reuse' act.(EDA & ASICs: Coping with Complexity; Part 2: Design Reuse)(Tutorial)
Grzesik, Tony
Electronic Engineering Times, n846, p74(2)
May 1, 1995
DOCUMENT TYPE: Tutorial ISSN: 0192-1541 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1698 LINE COUNT: 00139

ABSTRACT: Designers of PC boards and MCMs are beginning to reuse previously designed circuit modules. As in the **semiconductor** industry, the advantages are faster, more cost-effective and easier-to-optimize product design. Typically, this 'module-based board design' involves the combination of previously...

...reuse in future designs and 'post-meditated' design reuse, which involves use of existing circuit modules. Central to efficient design reuse is the availability of **libraries** of linked module views and tools for graphically browsing and selecting the appropriate code modules.

22/3,K/47 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07610779 SUPPLIER NUMBER: 16562700 (USE FORMAT 7 OR 9 FOR FULL TEXT)
A consistency-driven approach to CD-ROM selection.
Duszak, Zbigniew; Koczkodaj, Waldemar W.
Library Software Review, v13, n4, p260(9)
Winter, 1994
ISSN: 0742-5759 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 4747 LINE COUNT: 00402

The growing importance of CD- **ROM** information is becoming clear to professionals in the field of **library** science. It is not feasible for most university **libraries** to acquire all CD- **ROM** publications, therefore a selection process must take place. There are various ways of formulating priorities: trade-off methods, ratings, rankings, verbal statements and pairwise comparisons...

...acquisition with the consistency measure as a validation technique. Our experience shows that this approach, called a consistency driven knowledge acquisition, supported by a properly **designed computer** software, greatly improves the problem of understanding and the quality of the selection process.

A university library is committed to providing information services of the...

22/3,K/48 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07215651 SUPPLIER NUMBER: 14889752 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Toward the ideal CD-ROM application: or Vendors, why do you vex us so?

Almquist, Arne J.
Computers in Libraries, v14, n1, p 54(8)
Jan, 1994
ISSN: 1041-7915 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 6792 LINE COUNT: 00543

... their meanings, the recurrence of certain errors could help in diagnosing system problems.

Interface Design Concerns

Computer literature contains much about the quality of CD- **ROM** application search interfaces. Thus, the discussion here is limited to a few key areas. The wide disparity in interfaces between product "families" (UMI's ProQuest v. SilverPlatter's SPIRS, for example) has been a popular subject for discussion in the **library** field. Providing a common interface for all **database** products (including the Online Public Access Catalog) has become a goal of many in the profession. They point out the inefficiencies of having to instruct...

22/3,K/49 (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

07063790 SUPPLIER NUMBER: 14796542
Architecture on screen. ('The Great Building Collection, a Designer's Library of Architecture on CD- ROM ' provides landscapes and architecture designs on computer) (Column)
Stephens, Suzanne
New York Times, v143 , Thu ed, col 4, pC3(L)
Feb 3, 1994
DOCUMENT TYPE: Column ISSN: 0362-4331 LANGUAGE: ENGLISH
RECORD TYPE: CITATION

Architecture on screen. ('The Great Building Collection, a Designer's Library of Architecture on CD- ROM ' **provides landscapes and architecture** designs **on** computer **) (Column)**

22/3,K/50 (Item 8 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

03723172 SUPPLIER NUMBER: 07007968 (USE FORMAT 7 OR 9 FOR FULL TEXT)
The impact of CD-ROM on reference departments.
Salomon, Kristine
RQ, v28, n2, p203(15)
Winter, 1988
CODEN: RQRQAQ ISSN: 0033-7072 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 5800 LINE COUNT: 00455

... an objective view of technological advancements that could increase the quality of information for library patrons.

While some librarians may be hesitant about accepting CD- **ROM** technology, end-user acceptance is another story. Even in 1973 **library** patrons were fascinated by computers." Jeanne V. Schramm, a reference **librarian , designed** a " **computer** " retrieval system whereby questions were submitted on cards, and results were promised to the patron within twenty-four hours. While users thought a computer was finding their answers, actually a **librarian** was. This service was warmly received by

patrons who were willing to wait twenty-four hours for the computer even if a **librarian** offered to find their answers immediately! Schramm found that users who were too shy to ask questions at the reference desk had no qualms about...

22/3,K/51 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2003 ProQuest Info&Learning. All rts. reserv.

02371486 116350473
Barriers in using new information technology in document delivery in the Third World: prospects for the IFLA project in Ghana
Kisiedu, Christine O
Interlending & Document Supply v27n3 PP: 108-116 1999
ISSN: 0264-1615 JRNL CODE: ILDS
WORD COUNT: 5136

...TEXT: the new expired CD-ROM project cited above.

The availability of free DD dramatically raised the level of requests for documents and provided the Balme **Library** staff responsible for the service with considerable experience in the handling and management of a DD service, although it was not totally through electronic delivery. This experience is being put to good use in the new ILL/DD project. Similar experience has been gained by librarians in some other project **libraries** such as those at INSTI and UST. The introduction of CD- **ROM** into the **libraries** has also exposed the **library** staff and users to information retrieval by electronic means, even though it is off-line. It is an important first step towards confidence **building** in **computer** usage. Although CD-ROM has made possible source identification through database searches, most requests cannot be fulfilled because of inadequate local journal resources. Overseas borrowing...

22/3,K/52 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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01519559 01-70547
Asking the right questions in business retention and expansion surveys
Sell, Randall S; Leistritz, F Larry
Economic Development Review v15n1 PP: 14-17 Spring 1997
ISSN: 0742-3713 JRNL CODE: EDR
WORD COUNT: 2578

...TEXT: on the horizon that might affect company. will these new innovations require retraining of the labor force? Importance of technology-related innovations

computerized record keeping/ **inventory** , computerized billing/ accounting, computer networking [LANs and WANs], computer integrated engineering/ **design** , **computer** integrated manufacturing, CD/ **ROM** data and applications, fiber optics, digital telephone service, interactive TV, access to "Internet," satellite communication to send and receive data, telemarketing service, robotics laser/ optical...

22/3,K/53 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

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01408988 00059975
Confronting the big lie: A neo-luddite manifesto
Pemberton, Michael J
Records Management Quarterly v31n1 PP: 56-62 Jan 1997
ISSN: 1050-2343 JRNL CODE: RMQ
WORD COUNT: 5508

...TEXT: because they had no idea there would ever be a year 2000!

A second sign of the cracking facade of computer invulnerability is the Intel **chip** fiasco in the fall of 1994. Intel was-and is-a world leader in the design and **manufacture** of **computer chips** , including the central processing unit (CPU) used on most personal computers. Intel researchers and a very small number of math-heavy users discovered a flaw...

... likely occur every 9 billion timesin other words very seldom. After a $475 million write-off to cover replacements and pulling existing stock out of **inventory** and off assembly lines, Intel began a recovery of public esteem.21 Along with additional delays in the release of Microsoft's new Windows 95...

22/3,K/54 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00753675 94-03067
Leap of faith
Low, Jennifer
Canadian Banker v100n5 PP: 25-27 Sep/Oct 1993
ISSN: 0822-6830 JRNL CODE: CBI
WORD COUNT: 1335

...ABSTRACT: Dominion Bank, describes the process of lending to asset-light companies, he says they should look for companies involved with emerging technologies such as CD- **ROM** rather than waning technologies like 8-track cassettes. Lunny has successfully set up lending programs for companies involved in a variety of technologically advanced areas, such as CAD-CAM software **design** , **PC** clone assembly, and the development of hospital software. Bankers lending to technology companies should be prepared for slim margins, large volumes, and rapid **inventory** turnovers as high as 24 times a year. To help him better understand their businesses, Lunny has considered asking prospective clients to submit independent studies...

22/3,K/55 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00687478 93-36699
Intellectual property rights and the Uruguay Round
Maskus, Keith E
Economic Review (Federal Reserve Bank of Kansas City) v78n1 PP: 11-25
First Quarter 1993
ISSN: 0161-2387 JRNL CODE: EKC
WORD COUNT: 8155

...TEXT: reason, the United States and the European Community have moved

toward providing stronger protection based on patent principles.(2)

Similar issues are involved in the **design** of **computer chips** and **databases** . Because the **designs** of **computer chips** are easily copied, most developed countries have established a unique form of protection that combines copyright and patent principles. For information **databases** , on the other hand, copyrights may simply protect the order of the data, which is easily changed without violating the law. The loose protection for **databases** may call for stronger protection.

Significant questions also arise over the patentability of biotechnological innovations, such as new microbiological plants and animals with industrial value...

22/3,K/56 (Item 6 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00657641 93-06862
The Impact of New Learning Technologies in Education
Kingston, Paula; Morgan, Jeff; Wagstaff, Andre
Education & Training v34n5 PP: 7-11 1992
ISSN: 0040-0912 JRNL CODE: EDT
WORD COUNT: 3014

...TEXT: investment and cash raised by parents and parent-teacher associations.

Schools are now beginning to invest in newer technologies such as lap-top computers, CD- **ROMs** , and remote sensing and satellite receivers. The major concern now is to ensure that pupils reach the National Curriculum's requirements for the upper levels of IT. But this cannot be achieved unless students have sufficient access to word processors, **databases** , spreadsheets and other appropriate software. For instance, the attainment target for information technology within National Curriculum technology, has a statement of attainment at level seven (they go up to ten) that pupils should be able to designs use and **construct** a **computer** model of a situation or process and **construct computer** procedures involving variables.
A new National Council for Educational Technology (NCET) publication 2! examining computer hardware in both FE and sixth-form colleges, shows a...

22/3,K/57 (Item 7 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
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00360685 87-19519
Intel and Sequent Kiss and Make Up
Wilson, John W.
Business Week n3000 (Industrial/Technology Edition) PP: 120 May 25, 1987
ISSN: 0007-7135 JRNL CODE: BWE

...ABSTRACT: key employees of Intel Corp. quit en masse to begin their own company. Sequent built a superminicomputer with microprocessors purchased from Intel's rival, National **Semiconductor** Corp., but its first product lacked the number-crunching power needed to win big in the scientific and technical computing markets. Now, Sequent is targeting commercial customers that use computers to maintain large files, fill orders, and answer

inquiries. This time, it will be using Intel's powerful 80386 **chips** in a parallel-processing design that may well be the future design for all computers. Sequent maintains that, with as many as 30 of Intel's 80386 **chips** , it can **build** a **computer** to sell for less than $800,000 that can process 80 million instructions per second. A mainframe with similar capacity from IBM Corp. currently sells for about $11.5 million. Sequent's new Symmetry systems can run **database** programs for minicomputers as well as the thousands of software programs written for the IBM Personal Computer. The strategy shift already has boosted sales for...

22/3,K/58 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01117154 CMP ACCESSION NUMBER: EET19970127S0073
Tanner gives R&D its due (Desktop Engineering)
Richard Goering
ELECTRONIC ENGINEERING TIMES, 1997, n 938, PG42
PUBLICATION DATE: 970127
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Design
WORD COUNT: 386

... 1988 by graduates of the California Institute of Technology, including former students of EDA visionary Carver Mead. Today, the company sells complete tool sets for **IC** , multichip module (MCM), and discrete MEMS **design** on **PC** , Macintosh and Unix platforms. Offerings include schematic entry, digital and analog simulation, layout editing, design-rule checking and device parameter extraction. The company also offers layout **libraries** and supports the Mosis and Orbit **Semiconductor** multiproject wafer- fabrication services.

Composite CAD is not Tanner's first research award; the company is also coming to the end of a three-year...

22/3,K/59 (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

01038828 CMP ACCESSION NUMBER: EET19941219S0058
MEGACELLS TARGET PC BUILDERS:SMC rolls I/O controller chips (Micro Scene)
Ron Wilson
ELECTRONIC ENGINEERING TIMES, 1994, n 828, PG64
PUBLICATION DATE: 941219
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Design: solid state
WORD COUNT: 376

TEXT:

Hauppauge, N.Y. - Standard Microsystems Corp. (SMC) has a collection of megacells for **building** personal- **computer** I/O controllers. The company is turning this **library** into revenue by supplying a wide variety of SuperI/O **chip** combinations to motherboard developers, tuned to meet the specific requirements of various market segments. The company extended the line recently with four new **chips** .

22/3,K/60 (Item 3 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2003 CMP Media, LLC. All rts. reserv.

00588836 CMP ACCESSION NUMBER: EET19910408S1723
GenRad divests Precision line (News Briefs)
ELECTRONIC ENGINEERING TIMES, 1991, n 636, 4
PUBLICATION DATE: 910408
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: News
WORD COUNT: 578

... Mentor Graphics Corp. last week disclosed a five-year, multimillion-dollar contract with Allied-Signal Aerospace Corp. The pact includes Mentor's simulation tools and **libraries** , hybrid **design** tools, **pc** -board design software, **IC** -layout tools and test-and-verification software.
Initial shipments will involve Mentor's 7.0 software on Hewlett-Packard/Apollo platforms, with 8.0 software...

22/3,K/61 (Item 1 from file: 369)
DIALOG(R)File 369:New Scientist
(c) 2003 Reed Business Information Ltd. All rts. reserv.

00115019 15621028.600 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Picture of a killer
HOLMES, BOB
New Scientist, vol. 156, no. 2102
October 4, 1997
LANGUAGE: English RECORD TYPE: Fulltext DOC. TYPE: Journal
WORD COUNT: 3445

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...that makes civil libertarians cringe.
Schmitt is now concentrating on persuading police departments to compute eigenface scores for all their booking photos, creating a master **database** of criminals and criminal suspects. Ultimately, Viisage hopes to make its software run so quickly that it can scan a crowd of faces in real ...

...picking out wanted people. Already, the software can pick faces out of a crowd, though not fast enough to operate in real time. New, specially **designed computer chips** should provide the necessary speed within the next six months, Schmitt predicts.
While this is undoubtedly a powerful tool, it offers no help in crimes ...

22/3,K/62 (Item 1 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0558126 NE003
COMPAQ REPORTS RECORD 1992 SALES OF $4.1 BILLION; 4th QUARTER SALES UP 63%; EARNINGS PER SHARE UP 43%

DATE: January 26, 1993 07:06 EST WORD COUNT: 1,473

...channels such as superstores, mass merchandisers and consumer electronics stores."

Pfeiffer added, "The growth of our business will require continued close management of manufacturing capacity, **inventory** , receivables, distribution channels, costs and cash. We believe we can manage these issues. Throughout 1993 we'll take aggressive and quick action in order to...

...Stock is listed on the New York Stock Exchange under the symbol CPQ.

Founded in 1982, Compaq Computer Corporation is a world leader in the **manufacture** of **PC** systems, and desktop, portable, laptop and notebook personal computers and network laser printers.

COMPAQ products are sold and supported in more than 85 countries through...Compaq also offers a broad range of service and support programs, including free technical support through the Customer Support Center, and product information on CD- **ROM** .

FOR CUSTOMER SUPPORT AND INFORMATION, CALL 1-800-345-1518.

(The Company's Consolidated Statement of Income and Consolidated Balance Sheet are attached.)

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File 256:SoftBase:Reviews,Companies&Prods. 82-2003/May
         (c)2003 Info.Sources Inc
? ds

Set     Items   Description
S1      42564   COMPUTER OR PC OR WORKSTATION OR WORK()STATION OR COMPUTIN-
             G()(DEVICE OR SYSTEM)
S2       1075   (DESIGN? OR DEVELOP? OR CREAT? OR PRODUCTION? ? OR PRODUCI-
             NG OR PRODUCE OR BUILD? OR CONSTRUCT? OR ASSEMBL? OR FABRICAT?
              OR MANUFACTURE OR CONFIGUR?)(2W)S1
S3       1019   FIRMWARE OR FIRM()WARE OR EMBEDDED()(CHIP? ? OR MICROCHIP?
             ? OR PART? ? OR ELEMENT? ? OR MODULE? ? OR HARDWARE OR SOFTWA-
             RE OR SYSTEM? ? OR PROCESSOR? ? OR MICROPROCESSOR? ?)
S4       5596   BIOS OR CMOS OR CHIP? ? OR CHIPSET? ? OR MICROCHIP? ? OR R-
             OM? ? OR PROM? ? OR EPROM? ? OR EEPROM? ? OR SEMICONDUCT??? OR
              SEMI(W)CONDUCT??? OR IC OR ASIC
S5      25543   DATABASE? ? OR DATA()BASE? ? OR REPOSITOR??? OR LIBRAR??? -
             OR KNOWLEDGE(1W)BASE OR INVENTORY
S6        942   S5(5N)(COMPONENTS OR SUBCOMPONENTS OR PARTS OR PIECES OR M-
             ODULES OR ASSEMBLIES OR SUBASSEMBLIES)
S7        164   S2 AND (S3:S4 OR S6)
S8         12   S2 AND S6
S9         11   S8 NOT PY=2000:2003
S10       337   S3:S4(5N)S5
S11         6   S2 AND S10
S12        29   (COMPUTER OR PC)()(PARTS OR COMPONENTS)
S13         5   S5(5N)S12
S14     20683   MANUFACTURER? ? OR DEVELOPER? ? OR ENGINEER?
S15       385   S2 AND S14
S16        91   S3:S4 AND S15
S17        28   S2 AND (HIERARCH? OR TREE)
S18        28   S17 NOT PY=2000:2003
S19         8   S18 AND (S3:S4 OR COMPONENTS OR PARTS)
S20       153   S2 AND S3:S4
S21        20   S20 AND (COMPONENTS OR PARTS)
S22        14   S21 NOT (S11 OR S13 OR S19 OR PY=2000:2003)
```

22/5/1
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

02731153 DOCUMENT TYPE: Company

parvus Corp (731153)
396 W Ironwood Dr
Salt Lake City, UT 84115 United States
TELEPHONE: (801) 483-1533
FAX: (801) 483-1523
HOMEPAGE: http://www.parvus.com
EMAIL: parvus.parvus.com

RECORD TYPE: Directory

CONTACT: Sales Department

ORGANIZATION TYPE: Corporation
STATUS: Active

parvus Corporation (R), founded in 1983 by CEO and CTO George A. Takach, Jr., is a developer and systems integrator of embedded control computing systems that are based on the PC/104 form factor standard. parvus serves aerospace, defense, energy, medical, transportation, and other original equipment manufacturers (OEMs). It provides clients with board-level **components** , along with electronic and mechanical design and systems development and integration services. parvus, a member of the Embedded PC/104 Consortium, **designs** and manufactures **PC** /104 and PC/104-Plus computer cards and **components** . It provides power converters, databus interfaces, hardware development tools, enclosure systems, and other products. parvus is based in Salt Lake City, Utah. The company's founder, George A Takach, chairs Utah's State Advisory Council for Science and Technology. President Thomas G. Hogan is former CEO of Browz Incorporated.

SALES: NA

DATE FOUNDED: 1983
PERSONNEL: Hogan, Thomas G, President

DESCRIPTORS: **Embedded Systems** ; Intelligent Controllers
REVISION DATE: 20030209

22/5/2
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

02322831 DOCUMENT TYPE: Company

Texas Instruments Inc (322831)
12500 TI Blvd
Dallas, TX 75266-4136 United States
TOLL FREE TELEPHONE NUMBER: (800) 336-5236
HOMEPAGE: http://www.TI.com

RECORD TYPE: Directory

CONTACT: Sales Department

ORGANIZATION TYPE: Corporation

EQUITY TYPE: Public
STATUS: Active

Texas Instruments Incorporated builds digital signal processing (DSP) and analog electronic **components** . TI products are used in music, telecommunications, photography, ATM, modem and other equipment. TI is based in Dallas, Texas. Texas Instruments was founded in the 1930's, when it was known as Coronado Corporation/GSI. GSI focused on geological and oil exploration using seismic equipment. By the 1950's, TI had produced the first silicon transistors. Texas Instruments continued its pattern of innovation, later introducing specialized **semiconductors** , quantum effect transmitters, GA **components** , infrared weapons systems, RFID equipment, video RAM **chips** , the single- **chip** DSP, and high-bandwidth platforms. The company's software offerings include real-time environments for DSPs, CAD solutions, the Online DSP Lab (TM), and the Composer line of client/server development tools. Texas Instruments is an international company whose partners have included Kobe Steel of Japan and Hewlett-Packard. Revenues for 2002 topped $1.6 billion; TI is ranked 223 among the Fortune 500. It employs over 34,000 people, most in the Americas.

NUMBER OF EMPLOYEES: 34,500
SALES: 1,600,000,000

PERSONNEL: Engibous, Tom, Chief Executive Officer; Engibous, Tom, Chairperson; Aylesworth, Bill, VP; Aylesworth, Bill, Chief Financial Officer; Templeton, Rich, Chief Operating Officer; Leven, Steve, VP; Hubach, Joe, VP; Ritter, Phil, VP; West, Terri, VP

DESCRIPTORS: CAE; Circuit **Design** ; **Computer** Equipment; Electrical Engineering
REVISION DATE: 20030511

22/5/3
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

00119079 DOCUMENT TYPE: Review

PRODUCT NAMES: Search (771074); MuTech Locate (771104); MIL 6.0 (771082); SMART Search (744832); HexSight (771112)

TITLE: Pattern-Matching Imaging Software Overcomes Variances
AUTHOR: Wilson, Andrew
SOURCE: Vision Systems Design, v4 n5 p50(6) May 1999
ISSN: 1089-3709
HOMEPAGE: http://www.vision-systems-design.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Cognex's Search, MuTech's MuTech Locate, Matrox Electronic Systems' MIL 6.0, Imaging Technology's SmartSearch, and HexaVision's HexSight are highlighted in a discussion of pattern matching imaging software and machine vision software. The technology governs geometric pattern recognition to resolve issues related to gray-scale normalized correlation methods. In newer imaging systems that improve accuracy, repeatability, and performance in order to locate objects within images, machine vision software vendors are adding long-known methods, including normalized

gray-scale correlation with geometric-based methods. Integration of the two techniques helps compensate for the usual rotational variance, poor lighting, and scaling problems in many manufacturing applications. MV systems can be used in more application. Because object recognition algorithms are provided with Intel MMX- **chip** or coprocessor support, system developers can employ the algorithms to **develop** robust **PC** machine vision inspection systems. Products from Imaging Technology, Cognex, Euresys, and Mutech are all based on Normalized Grayscale Correlation (NGC) and the Search pattern matching system. The technology can be speeded up using Intel MMX-based Pentium processors. Locate allows searching of a region for a target image in one or more instances of a taught model, and MIL 6.0 has similar abilities. Smart Search is a geometric-based search tool, that is included in MVTools. HexSight also uses the geometry of **parts** to find them in a 2D field of view.

COMPANY NAME: Cognex Corp (526088); MuTech Corp (668249); Matrox Electronic Systems Ltd (528811); Coreco Imaging Inc (365408); HexaVision Technologies (668257)
SPECIAL FEATURE: Charts Screen Layouts
DESCRIPTORS: CAE; Graphics for Science & Engineering; Image Processing; Industrial Engineering; Machine Vision; Pattern Recognition
REVISION DATE: 20010630

22/5/4
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

00117115 DOCUMENT TYPE: Review

PRODUCT NAMES: Centennial 2000 Pro Enterprise Edition 2.1 (756962); Check 2000 Client Server 3.11 (756971); Norton 2000 Enterprise Edition 1.0 (756989); Express 2000 Software Manager 4.0 (744352); ADAPT/PC-2000 (729621)

TITLE: Year-2000 assessment tools: Time waits for no one
AUTHOR: Wonnacott, Laura Biggs, Maggie
SOURCE: InfoWorld, v21 n22 p64(7) May 31, 1999
ISSN: 0199-6649
HOMEPAGE: http://www.infoworld.com

RECORD TYPE: Review
REVIEW TYPE: Product Comparison
GRADE: Product Comparison, No Rating

Centennial International's Centennial 2000 Pro Enterprise Edition 2.1, Greenwich Mean Time-UTA's Check 2000 Client Server 3.11, Symantec's Norton 2000 Enterprise Edition 1.0, and WRQ's Express 2000 Software Manager 4.0 with NeoMedia's ADAPT/PC 2000 are **components** of compared Y2K assessment tool solutions. The solutions from WRQ, Centennial, Symantec, and GMT are compared for ease of use and implementation; reliable results; scalability over disparate systems; flexibility for central control; and useful documentation and support. WRQ, with good marks overall, is the editors' choice, since it provides a thorough set of testing tools in Express 2000 Software Manager 4.0 for hardware and **BIOS configuration** , and ADAPT/ **PC** 2000 for analysis of data files. The combo provides a reliable testing environment and central resource to all data gathered, without providing a glut of features. WRQ's solution automatically updates a repository of PCs, and it refreshes the application compliance database on a monthly basis. Centennial's solution takes second place, and is easy to install and manage

over a network. Symantec's solution, when linked with Centennial, is easy to install over a network and has excellent application and data analysis features. GMT's solution brings up the rear, because it is less scalable and flexible than the other products, but it has high-quality application and data scanning abilities.

COMPANY NAME: Centennial International (654485); Greenwich Mean Time UTA LC (663654); Symantec Corp (386251); WRQ Inc (368113); NeoMedia Technologies Inc (643351)
SPECIAL FEATURE: Charts Tables Screen Layouts
DESCRIPTORS: Computer Equipment; File Conversion; Network Administration; Network Inventory; Network Software; Project Cost Estimating; Y2K
REVISION DATE: 20021130

22/5/5
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

00115247 DOCUMENT TYPE: Review

PRODUCT NAMES: Affirma HW/SW Verifier (743798)

TITLE: New Cadence HW/SW Co-Develop Tool
AUTHOR: Steffora, Ann
SOURCE: Electronic News, v44 n2242 p48(1) Nov 2, 1998
ISSN: 1061-6624
HOMEPAGE: http://www.interport.net/enews

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Cadence Design Systems is releasing its Affirma HW/SW Verifier, a hardware/software co-development tool. Affirma is the first tool to comeout of the first phase of Cadence's efforts in this area. Cadence's goal is to manage the complexity of designing systems-on-a- **chip** . This phase leverages virtual component co-design products to be developed through its Felix Initiative. The Felix Initiative was announced last year as a means of supporting development of hardware/software co-design tools. Several pilot projects are under way at Felix partner sites. The Affirma tool allows HW/SW co-development from system specification to architectural evaluation and SOC (systems-on-a- **chip**) integration. It raises the abstraction of the design process from the hardware implementation level to the virtual system prototype level. By making use of virtual **components** , systems designers are able to make trade-offs quickly at the architectural level, allowing both hardware and software designers to verify the functionality of the implementation. Affirma includes a system-driven co-verification engine for mixed-language simulation of virtual **components** based on Cadence's interleaved native compiled code architecture (INCA).

COMPANY NAME: Cadence Design Systems Inc (449121)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: CAD; CAD CAM; CAE; Circuit **Design** ; **Computer** Equipment; Electrical Engineering; Program Development; Simulation
REVISION DATE: 19990530

22/5/6
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.

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00110944 DOCUMENT TYPE: Review

PRODUCT NAMES: System-Level Constraint Timing-Driven Design (SLC-TDD) (718335); Silicon Ensemble (613321)

TITLE: Cadence refines timing-driven design
AUTHOR: Goering, Richard
SOURCE: Electronic Engineering Times, v1017 p41(2) Jul 20, 1998
ISSN: 0192-1541
HOMEPAGE: http://www.eet.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Cadence Design Systems plans to release a multitool timing-driven design flow tool that will reduce design cycle times and result in faster clock speeds. The System-Level Constraint Timing-Driven Design (SLC-TDD) flow embeds Cadence's Pearl timing analyzer into a suite of **IC** physical design tools. SLC-TDD flow uses high-level constraints passed down through synthesis tools, and encompasses Cadence's Logical and Physical Design Planners, Hyper-Extract extraction engine, and some **components** of Silicon Ensemble. The methodology will reduce design cycle times up to sixfold, improve clock performance as much as 25 percent, and reduce disk space requirements by as much as 95 percent compared with Standard Delay Format (SDF) approaches. Cadence tool users will not have to buy anything to implement SLC-TDD because the timing algorithms are built into individual tools. However, they will have to learn a new methodology that revolves around system-level constraints and timing analysis throughout the physical implementation. System-level timing constraints define **chip** -level and block-level timing required to operate at a given clock frequency. But these constraints require complex analysis techniques to interpret correctly. Physical design tools may not be able to support the full semantics of the constraints. So most designers use path constraints specified using SDF. SDF files are large and consume a lot of disk space, and slow down the design cycle, also they are incomplete.

COMPANY NAME: Cadence Design Systems Inc (449121)
SPECIAL FEATURE: Charts
DESCRIPTORS: CAD; CAD CAM; CAE; Circuit **Design** ; **Computer** Equipment; Electrical Engineering; Electronics; Logic Analysis
REVISION DATE: 20001230

22/5/7
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00108131 DOCUMENT TYPE: Review

PRODUCT NAMES: ON Command Comprehensive Client Manager (CCM) 3.1 (672572)

TITLE: ON takes command of auto desktop configuration
AUTHOR: Connolly, P J
SOURCE: LAN Times, v15 n11 p56(1) May 25, 1998
ISSN: 1040-5917
HOMEPAGE: http://www.lantimes.com

RECORD TYPE: Review
REVIEW TYPE: Review
GRADE: A

On Command Comprehensive Client Manager (CCM) 3.1 from ON Technology is a powerful set of tools that offers a unique approach to managing the desktop. CCM does not manage servers or check for viruses. It focuses on desktop configuration. CCM takes control of the PC during the hardware boot via a standard **PROM chip** on a supported NIC running BOOTP or DHCP. This enables users to remotely repartition and reload the OS. CCM includes load-balancing options to conserve network bandwidth. It could easily restore a machine's configuration, even when some **components** were deleted. CCM reloaded them when the machine was rebooted. Reviewers found a few possible improvements while working with CCM. They wanted a diagnostic panel on the administration console indicating the status of services. For an addition fee, ON offers tools for defining installation packages for custom software. These tools include CCM InstallCam. In addition to tracking changes made to a PC when installing software, CCM InstallCam presents the installation screens mapped to the recorded transcript of the setup.

COMPANY NAME: ON Technology Corp (484229)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: **Configuration** Management; IBM **PC** & Compatibles; LANs; Load Balancing; Network Administration; Network Software
REVISION DATE: 20020630

22/5/8
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00098067 DOCUMENT TYPE: Review

PRODUCT NAMES: Baby- ROM **(596582); Jumpstart Toddlers (644421); My Very First Software (618781**

TITLE: Tech for tots?
AUTHOR: Brinley, Maryann B
SOURCE: HomePC, v4 n2 p97(4) Feb 1997
ISSN: 1073-1784

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Byron Preiss Multimedia's Baby- **ROM** , Knowledge Adventure's Jump*Start Toddlers, and Broderbund Software's My Very First Software are products designed to optimize a child's desire to learn by allowing the child to 'explore the world at their own pace.' Baby- **ROM** teaches numbers, letters, shapes, colors, and body **parts** to babies as young as half a year. Jump*Start Toddlers, says the vendor, teaches children between a year and a half and three years mouse skills, letters, numbers, vocabulary, and music. My Very First Software products trys to help children between two and five to **develop** `valuable **computer** skills.' Software for toddlers should be used as simply another toy to be played with for about 10 minutes at a clip. A pediatric nurse practitioner, Meg Zweiback, says all children want to imitate what a parent or older brother or sister does, which means kids will want to play with a computer if exposed to one. In the products tested, children liked uncomplicated, colorful, animated software best,

like that of the My Very First products and JumpStart Toddlers. Parents should also avoid programs like Baby- **ROM** that ask for specific answers because telling the child he or she made a `mistake' while playing with the computer can discourage healthy exploration.

COMPANY NAME: Byron Preiss Multimedia Co (611557); Knowledge Adventure Inc (522201); Broderbund Software Inc (117081)
SPECIAL FEATURE: Screen Layouts
DESCRIPTORS: Data Entry; E-Learning; Language Skills; Motor Skills; Music; Preschool Age
REVISION DATE: 20030527

22/5/9
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00089597 DOCUMENT TYPE: Review

PRODUCT NAMES: Telephony Services Architecture (TSA) (609668)

TITLE: More Computer Telephony Architecture, Anyone?
AUTHOR: Margulies, Ed
SOURCE: Computer Telephony Magazine, v4 n3 p228(3) Mar 1996

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Natural MicroSystems' (NMS') Telephony Services Architecture (TSA), a hardware/software environment for computer telephony value-added resellers (VARs), integrators, and original equipment manufacturers (OEMs), supports **development** of **computer** telephony (CT) applications and platforms on NMS products. It supports Windows NT, OS/2, and UNIX, and an open interface for integrating standardized hardware from various vendors. Three layers are provided, including Natural Platform boards and **firmware** , Natural Media for linking core media technologies to applications, and Natural Access toolkits with a common application programming interface (API) at each layer and over each OS. Natural Access has three API layers of different complexities: AG Access for OEMs and systems integrators; CT access for systems integrators and VARs; and Distributed CT Access, for developers of client/server solutions.

COMPANY NAME: NMS Communications (721778)
SPECIAL FEATURE: Charts
DESCRIPTORS: Client/server; **Components** ; IBM PC & Compatibles; Network Software; OS/2; Program Development; Telecommunications; UNIX; Windows NT/2000
REVISION DATE: 20021024

22/5/10
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

00081484 DOCUMENT TYPE: Review

PRODUCT NAMES: Compliance EMC (521086); Maxwell Eminence 3.2 (494925)

TITLE: EMI modeling pushes prototypes past test

AUTHOR: Donlin, Mike
SOURCE: Computer Design, v34 n5 p32(2) May 1995
ISSN: 0010-4566
HOMEPAGE: http://www.computer-design.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Electromagnetic interference (EMI) has become a greater concern for designers. Electromagnetic compliance (EMC) can be very confusing and complex, although there are tools available that help in EMC design procedures at the **IC** and PCB level. Quantic's Compliance software tool is used to simulate radiated electric and magnetic fields from an entire system, including multiple PCBs inside an enclosure. Compliance is able to calculate vertical, horizontal, and radial fields, including differential-mode and common-mode **components** . Ansoft's SI Eminence 3.2 is another EMC signal-analysis tool. With SI Eminence, users can simulate emissions and EMI effects of different design alternatives in order to predict the level of electromagnetic compliance.

COMPANY NAME: Quantic-EMC (449725); Ansoft Corp (476315)
SPECIAL FEATURE: Charts Screen Layouts
DESCRIPTORS: CAD; CAD CAM; CAE; Circuit **Design** ; **Computer** Equipment; Electrical Engineering; Models; Simulation
REVISION DATE: 20020124

22/5/11
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
(c)2003 Info.Sources Inc. All rts. reserv.

00075680 DOCUMENT TYPE: Review

PRODUCT NAMES: SwitcherCAD (552917)

TITLE: Component vendors work hard to make analog design easier
AUTHOR: Ohr, Stephan
SOURCE: Computer Design, v34 n2 p50(5) Feb 1995
ISSN: 0010-4566
HOMEPAGE: http://www.computer-design.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Analog **IC** vendors have been trying to make it easier to select analog **components** , a generally difficult process even for experienced designers. Some **IC** vendors provide software in the form of design and selection guides, application notes, or selection programs. Linear Technology's SwitcherCAD software tool helps designers choose topologies and **components** for switching power supplies. Running on a PC host, SwitcherCAD provides instructions in designing switching regulator circuits using Linear Technology part types. The literature is easy to read and very clear.

COMPANY NAME: Linear Technology Corp (528668)
DESCRIPTORS: CAD; CAD CAM; CAE; Circuit **Design** ; **Computer** Equipment; Electrical Engineering; IBM PC & Compatibles
REVISION DATE: 19990530

22/5/12
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00070680 DOCUMENT TYPE: Review

PRODUCT NAMES: Virtual Test Manager TOP (499064); Physical Test Manager:SITE (531537); BSDArchitect (515698)

TITLE: DFT Strategy Ensures Pin Access
AUTHOR: LeBrun, Jim Olen, Mark
SOURCE: Electronic Engineering Times, v816 p90(1) Sep 26, 1994
ISSN: 0192-1541
HOMEPAGE: http://www.eet.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Traditional testing methods for advanced PCBs and MCMs are becoming more difficult, with rising pin and gate counts of ASICs and ICs. To achieve higher test coverage at the board and MCM level, designers must implement a DFT strategy early in the design cycle. Mentor Graphics' BSDArchitect is the first design tool that can automatically create boundary-scan logic in the front end of the **ASIC** or **IC** design cycle. It will create a VHDL description of the boundary-scan logic, and interconnect it to the core device. Mentor's Virtual Test Manager:TOP can be used during and after schematic capture, to analyze the schematic's topology in conjunction with the BSDL models of the boundary-scan **components** . VTM:TOP will generate a report, assigning all of a design's nets to four categories. Mentor's Physical Test Manager:SITE supports a multi-disciplinary approach to test-point generation. It ensures physical test access, with little impact on circuit performance.

COMPANY NAME: Mentor Graphics Corp (353175)
SPECIAL FEATURE: Charts
DESCRIPTORS: CAD; CAD CAM; CAE; Circuit **Design** ; **Computer** Equipment; Electrical Engineering; Electronics; Hardware Description Languages; Quality Assurance; VHDL
REVISION DATE: 20001230

22/5/13
DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00069848 DOCUMENT TYPE: Review

PRODUCT NAMES: MS-DOS ROM **(702102);** ROM **-DOS (243175); Embedded DOS (433306**

TITLE: Desktop DOS Goes Undercover to Run Embedded Systems
AUTHOR: Shear, David
SOURCE: EDN Magazine, v39 n16 p43(4) Aug 4, 1994
ISSN: 0012-7515
HOMEPAGE: http://www.ednmag.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis

GRADE: Product Analysis, No Rating

Embedded personal computers usually run a version of DOS, such as Microsoft's MS-DOS **ROM** , **ROM** -DOS, General Software's Embedded DOS. DOS can load an application and run it, as well as manage files. DOS does not debug all by itself, but the developers can use the Borland Turbo debugger in remote mode. The **developer** 's **PC** provides the keyboard, display, and disks for an **embedded system** , allowing the code to be debugged as usual. Low cost is the main attraction of embedded PCs. However, the developer must make software run in a machine that does not have all the important **components** of a desktop model. Embedded PCs often do not have keyboards, displays, disk drives, serial interfaces, or parallel printer ports. DOS provides single thread operating system support and the ability to cooperate with real-time systems. However, DOS is not adept at handling errors, which requires the developer to write error-handling routines.

COMPANY NAME: Microsoft Corp (112127); Datalight Inc (378992); General Software Inc (509116)
SPECIAL FEATURE: Charts
DESCRIPTORS: DOS; Electrical Engineering; **Embedded Systems** ; IBM PC & Compatibles; Operating Systems
REVISION DATE: 20020930

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DIALOG(R)File 256:SoftBase:Reviews,Companies&Prods.
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00062497 DOCUMENT TYPE: Review

PRODUCT NAMES: Scan Pathfinder (499056); Virtual Test Manager (499064); ScanBridge (499072); Advanced Support System for Emulation & Test (ASSET) (420034)

TITLE: Testing Dilemmas and Corporate Alliances Fuel Boundary Scan's...
AUTHOR: Donlin, Mike
SOURCE: Computer Design, v33 n1 p65(5) Jan 1994
ISSN: 0010-4566
HOMEPAGE: http://www.computer-design.com

RECORD TYPE: Review
REVIEW TYPE: Product Analysis
GRADE: Product Analysis, No Rating

Boundary-scan tools for printed circuit board design and test gets mixed reviews from designers. Proponents say that more shrink wrapped boundary-scan **components** , universal use in ASICs, and growing numbers of EDA tools will make boundary scan popular. Unbelievers are unwilling to learn a new technology or to give up silicon or performance for promised benefits. Scan Pathfinder analyzes boundary-scan groups and shows where test points are unnecessary. Virtual Test Manager works with Victory Boundary-scan technology to analyze and optimize test points during design entry. ScanBridge is a controller **IC** that provides access to all boundary-scan PCBs across a backplane. Advanced Support System for Emulation and Test (Asset) integrates with products from Tektronix and Teradyne, using a diagnostic system that includes an interactive debugger and scan analyzer.

COMPANY NAME: GenRad Inc (526053); Mentor Graphics Corp (353175); National **Semiconductor** Corp (354201); Computer Associates

International Inc (081957
SPECIAL FEATURE: Screen Layouts Charts
DESCRIPTORS: CAD; CAD CAM; CAE; Circuit **Design** ; **Computer** Equipment;
Electrical Engineering
REVISION DATE: 20030130
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Results 1 - 10 of 10 **short listing**

1 Data Usage And The Data Base Processor 100%
Olin H. Bray , Sperry Univac
Proceedings of the 1978 annual conference December 1978
Although the use of Data Base Management Systems is rapidly growing, there is little hard data on how these systems are being used. However, this information is critical to defining the functional requirements for a data base processor which can effectively support current applications. This paper reports on a survey conducted to show how Data Base Management Systems are currently being used. It describes the survey taken, the respondees to the questionnaire, and the questionnaire itself&md ...

2 Topographic simulation as an aid to printed circuit board design 99%
C. J. Fisk , D. L. Caskey , L. E. West
Proceedings of the 4th conference on Design automation January 1967
The topographic simulation technique, presented here, is part of the continuing development of the ACCEL1 system. It is based on the idea that the configurations of a circuit board can be represented in a topographic structure. This idea was first introduced to the authors by Dr. Iben Browning, Executive Director of the Thomas Bede Foundation in Los Altos, California. The ACCEL system was developed jointly by Sandia Corporation and the Thomas Bede Foundation, ...

3 The architecture of a database computer - a summary 99%
David K. Hsiao , Krishnamurthi Kannan
Proceedings of the 3rd workshop on Computer architecture : Non-numeric processing January 1977
The motivation for seeking hardware solutions to database management functions traditionally carried out by software has been apparent to data-base designers for sometime now. Firstly, database management software has grown in complexity and size over the years. This growth is prompted by the increase in user requirements,

by the formulation of sophisticated models and by the change in data processing mode from an off-line, batched, single user environment to an on-line, concurrent and mult ...

4 Structure memory designs for a database computer 99%



David K. Hsiao , Krishnamurthi Kannan , Douglas S. Kerr

Proceedings of the 1977 annual conference January 1977

Recent developments in storage technologies have given computer system designers a wide range to consider in building large on-line systems. It is important that the requirements of each component of a proposed system be carefully recognized before choosing a particular technology for its implementation. The design of a database computer which takes advantage of emerging technologies has been proposed. In this paper, the design of an important component of the database computer, namely, the ...

5 The use of a database machine for supporting relational databases 99%



Jayanta Banerjee , David K. Hsiao

Proceedings of the fourth workshop on Computer architecture for non-numeric processing August 1978

One of the goals in the design of database machines of the future is their generality. In addition to being capable of carrying out the common database management functions with high reliability and performance, some of these machines are intended to support more than one data model. A specific database machine, known as the DBC, is intended to support several existing data models. Although the DBC supports many data models, we single out the relational data model for this discussion. In pa ...

6 A microprogrammed keyword transformation unit for a database computer 99%



Krishnamurthi Kannan , David K. Hsiao , Douglas S. Kerr

Proceedings of the tenth annual workshop on Microprogramming October 1977

The design of a microprogrammable microprocessor-based keyword transformation unit for a database computer(DBC) is described. The DBC, a specialized back-end computer capable of managing 109 - 1010 bytes of data, consists of two loops of memories and processors, the structure loop and the data loop, connected through a database command and control processor (DBCCP). The structure loop is used to retrieve and update the large amount (10

7 Database machines: Sizing and data distribution for a distributed database machine 99%



Rob McCord

Proceedings of the 1981 ACM SIGMOD international conference on Management of data April 1981

8 Database machines: The effect of target applications on the design of database machines 99%

Paula Hawthorn

Proceedings of the 1981 ACM SIGMOD international conference on Management of data April 1981

Specialized, single function processors can be built to be faster and cheaper than general purpose processors. Most database machines use such special purpose processors to manipulate data, with a general purpose managing processor to

control the special purpose processors and perform utility functions. In this paper, the organization and use of these data manipulation processors is explored. Database machines are classified into single data manipulation processor systems, multiple disk-associat ...

9 Essential C++ 99%



Jarrell C. Grout , Robert G. Strader , John B. Hanks
ACM SIGCSE Bulletin June 1996
Volume 28 Issue 2

C++ is rapidly becoming one of the most important programming languages in the world. Yet it is an extremely complex language and, therefore, one that is very difficult to learn. To provide a significant degree of simplification and, thereby, to help alleviate the difficulties of learning the language, a relatively small C++ subset, Essential C++, has been defined. It is proposed for use by the computer science academic community as a suitable first programming language for students as well as f ...

10 Matching data storage to application needs 99%



Dawson Dean , Richard Zippel
ACM SIGOPS Operating Systems Review January 1995
Volume 29 Issue 1

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1 CAD for military systems, an essential link to LSI, VLSI and VHSIC technology 99%
Randolph Reitmeyer
Proceedings of the eighteenth design automation conference on Design automation June 1981
Government involvement in the development of computer aided design (CAD) tools for electronic circuits has a long history. The advent of large scale integrated (LSI) circuits, going into the 1970's, pulsed the development of the "standard cell" and "gate array" design methodologies and supporting CAD. Despite these burgeoning technologies, little custom LSI technology found its way into military systems. Custom LSI was considered too costly and risky.

2 An ASIC methodology for mixed analog-digital simulation 99%
M. Rumsey , J. Sackett
Proceedings of the 1989 26th ACM/IEEE conference on Design automation conference June 1989
Behavioral descriptions of analog circuits simulate faster than transistor level descriptions. In ASIC and system level simulations they allow total system verification of larger designs than would be possible at transistor level. A system known as AMP simplifies the modeling task by offering a mechanism to develop models via parameterized building blocks. An additional benefit is that the resulting models are compatible with a model linker which can interface the analog models to a purely ...

3 Session 8D: embedded tutorial: Test of future system-on-chips 99%
Yervant Zorian , Sujit Dey , Michael J. Rodgers
Proceedings of the 2000 IEEE/ACM international conference on Computer-aided design November 2000
Spurred by technology leading to the availability of millions of gates per chip, system-

level integration is evolving as a new paradigm, allowing entire systems to be built on a single chip. Being able to rapidly develop, manufacture, test, debug and verify complex SOCs is crucial for the continued success of the electronics industry. This growth is expected to continue full force at least for the next decade, while making possible the production of multimillion transistor chips. However, to mak ...

4 Developing and integrating enterprise components and services: Lessons learned from a nationwide CBD promotion project 99%



Soo Dong Kim
Communications of the ACM October 2002
Volume 45 Issue 10
Sharing insights gained from a large-scale initiative in an Asian context.

5 IP Design and Reuse: Soft-cores generation by instruction set analysis 99%



Alessandro Fin , Franco Fummi , Giovanni Perbellini
Proceedings of the 14th international symposium on Systems synthesis September 2001
The popularity of *Soft Cores* is rapidly increasing. Their integration in a design requires their synthesis and optimization, thus their application is more complex than the use of *Hard Cores*. However, *Soft Cores* can be customized to the design constraints, thus promising to lead to more efficient designs. The decision of using *Soft* or *Hard Cores*} is difficult since it is a trade-off between performance, cost and design time. The parametrization methodology pres ...

6 Behavioral partitioning in the synthesis of mixed analog-digital systems 99%



Sree Ganesan , Ranga Vemuri
Proceedings of the 38th conference on Design automation June 2001
Synthesis of mixed-signal designs from behavioral specifications must address analog-digital partitioning. In this paper, we investigate the issues in mixed-signal behavioral partitioning and design space exploration for signal-processing systems. We begin with the system behavior specified in an intermediate format called the Mixed Signal Flow Graph, based on the time-amplitude characterization of signals. We present techniques for analog-digital behavioral partitioning of the MSFG, and pe ...

7 Technology mapping and retargeting for field-programmable analog arrays 99%



Sree Ganesan , Ranga Vemuri
Proceedings of the conference on Design, automation and test in Europe January 2000

8 Supporting compositional reuse in component-based Web engineering 99%



Martin Gaedke , Jörn Rehse
Proceedings of the 2000 ACM symposium on Applied computing March 2000

9 Concurrent design methodology and configuration management of the SIEMENS EWSD-CCS7E processor system simulation 99%



Thomas W. Albrecht
Proceedings of the 32nd ACM/IEEE conference on Design automation conference January 1995

10 CHOP: A constraint-driven system-level partitioner 99%
Kayhan Kükçakar , Alice C. Parker
Proceedings of the 28th conference on ACM/IEEE design automation conference June 1991

11 Documentation and user interface planning for optical information systems 98%
Stephanie Rosenbaum
Proceedings of the 5th annual international conference on Systems documentation June 1986
From one point of view, I should probably have waited to give this paper at next year's conference. Not many optical-based systems have reached the market yet. I've seen quite a few of the ones that have, and I've talked to some of their authors. But many more are still under development. Even so, I suggested talking about documentation and user-interface planning for optical systems, because I believe communicators can't wait for everyone else to blaze the trail. The products th ...

12 The road to integration: efforts to combine computing, libraries & telecommunications 98%
John R. Supra , Melissa A. Wong , Timothy J. Foley
Proceedings of the 26th annual ACM SIGUCCS conference on User services October 1998

13 The key to EDA results (panel): component & library management 98%
Romesh Wadhwani
Proceedings of the 30th international on Design automation conference July 1993

14 Reuse (panel): truth or fiction 98%
Paul McCollough , Bob Atkinson , Adele Goldberg , Martin Griss , John Morrison
ACM SIGPLAN Notices , conference proceedings on Object-oriented programming systems, languages, and applications October 1992
Volume 27 Issue 10

15 The economics of software reuse 98%
Martin Griss , Sam S. Adams , Howard Baetjer , Brad J. Cox , Adele Goldberg
ACM SIGPLAN Notices , Conference proceedings on Object-oriented programming systems, languages, and applications November 1991
Volume 26 Issue 11

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